**DRAFT** 

Issued on\_

Chuck Carr Brown, Ph.D.

**Assistant Secretary** 



PERMIT NUMBER LA0114405 AI No.: 87738

# office of environmental services Water Discharge Permit

Pursuant to the Clean Water Act, as amended (33 U.S.C. 1251 et seq.), and the Louisiana Environmental Quality Act, as amended (La. R. S. 30:2001 et seq.), rules and regulations effective or promulgated under the authority of said Acts, and in reliance on statements and representations heretofore made in the application, a Louisiana Pollutant Discharge Elimination System permit is issued authorizing

Stolthaven New Orleans, LLC

Braithwaite Terminal 2444 English Turn Road Braithwaite, Louisiana 70040

Type Facility:

petro/chemical bulk liquid storage and transfer facility
Centralized waste treatment facility (non-hazardous)

Location:

2444 English Turn Road in Braithwaite
Plaquemines Parish

Receiving Waters:

to the Mississippi River (Outfalls 001-003, 005) and to Braithwaite Canal via local drainage (Outfalls 005-012)

to discharge in accordance with effluent limitations, monitoring requirements, and other conditions set forth in Parts I, II, and III attached hereto.

This permit shall become effective on

This permit and the authorization to discharge shall expire five (5) years from the effective

DRAFT

GALVEZ BUILDING • 602 N. FIFTH STREET • P.O. BOX 4313 • BATON ROUGE, LA 70821-4313 • (225) 219-3181

Page 2 of 12 DRAFT Permit No. LA0114405 AI No. 87738

# EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

During the period beginning the effective date and lasting through the expiration date the permittee is authorized to discharge from:

Outfall 001 - continuous discharge of treated process water from the chemical sewer system; wastewater from the tank/pipeline/transportation equipment cleaning operations, wastewater from treatment of offsite oil and organic wastes; bilge and ballast waters; hydrostatic and firefighting test waters; contaminated stormwater from the storage tank containment areas; sanitary wastewater; laboratory wastewater; and utility wastewaters (including boiler blowdown; steam condensate; flare liquid knockout, and scrubber wastewaters) (\*6)

Such discharges shall be limited and monitored by the permittee as specified below:

Effluent Characteristic	<u>Dis</u>	charge Limit	Monitoring Requirements (*7)				
	(lhs/da	y, UNLESS	STATED)	(mg/L, UNLE	ESS STATED)		
	STORET	Monthly	Daily	Monthly	Daily	Measurement	Sample
	Code	Average	Maximum	Average	Maximum	Frequency	Type
Flow-MGD	50050			Report	Report	Continuous	Recorder
<u>CWT PARAMETERS</u>				53	163	3/week	Grab
BOD <sub>5</sub>	00310			53		3/week	Grab
TSS	00530			26	58	3/week	Grab
Oil & Grease	03582			38	127		Grab
pH Min/Max Values	00400			6.0 (*2)	9.0 (*2)	3/week	Giao
(Standard Units)				(Min)	(Max)	17 1.	Cush
Total Arsenic	01002				0.10	1/ week	Grab
Total Cadmium	01027			0.0102	0.0172	1/ week	Grab
Total Chromium	01034			0.323	0.42	1/ week	Grab
Total Cobalt	01037			18.8	56.4	1/ week	Grab
Total Copper	01042				0.10	1/ week	Grab
Total Lead	01051				0.14	1/ week	Grab
Total Mercury	71900				0.0013	1/ week	Grab
Total Tin	01102			0.165	0.335	1/ week	Grab
Total Zinc	01092			0.420	0.497	1/ week	Grab
Fluoranthene	34376			0.0268	0.0537	1/ week	Grab
Acetone	81552			7. <del>9</del> 7	30.2	1/ week	Grab
Acetophenone	81553			0.0562	0.114	1/ week	Grab
Bis(2-ethylhexyl) phthalate	39100			0.101	0.215	1/ week	Grab
2-butanone	78356			1.85	4.81	1/ week	Grab
Butylbenzyl phthalate	34292			0.0887	0.10	1/ week	Grab
Carbazole	77571			0.276	0.598	1/ week	Grab
o-Cresol	51046			0.561	1.92	1/ week	Grab
p-Cresol	77146			0.205	0.698	1/ week	Grab
n-Decane	77427			0.437	0.948	1/ week	Grab
n-Octadecane	77804			0.302	0.589	1/ week	Grab
Phenol	32730				0.10	1/ week	Grab
Pyridine	77045				0.10	1/ week	Grab
2,4,6-Trichlorophenol	34621				0.10	1/ week	Grab
NON-CWT PARAMETERS							
COD	00340			250	400	3/week	Grab
Fecal Coliforms	74055			200	400	3/week	Grab
Colonies/100 ml							
Total Phenois (*3)	32730				500 ug/L	1/month	Grab
Total BTEX (*1)(*5)	30383				250 ug/L	1/month	Grab
TOMEDITAL ( T)( V)					_		

Page 3 of 12 DRAFT Permit No. LA0114405 AI No. 87738

# EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

Effluent Characteristic	<u>Dis</u>	scharge Lim	itations Other Units			Monitoring Req	uirements (*7)
	(lbs/da	y, UNLESS		(mg/L. LINL)	ESS STATED)		
	STORET	Monthly	Daily	Monthly	Daily	Measurement	Sample
	Code	Average	Maximum	Average	Maximum	Frequency	Туре
		_		Ü			-77-
<u>METALS</u>							
Antimony (*5)	01097				600 ug/L	1/month	Grab
Beryllium (*5)	01012				100 ug/L	1/month	Grab
Nickel (*5)	01067				500 ug/L	Imonth	Grab
Selenium (*5)	01147				100 ug/L	1/month	Grab
Silver (*5)	01077				100 ug/L	1/month	Grab
Thallium (*5)	01059				100 ug/L	1/month	Grab
Total Cyanide (*5)	00720				100 ug/L	1/month	Grab
<u>VOLATILE COMPOUNDS</u>					٥		
<u>. • 50.7155</u>							
Acrolein (*5)	34210			•	100 ug/L	1/month	Grab
Acrylonitrile(*5)	34215				100 ug/L	1/month	Grab
Benzene (*1)(*5)	34030	e==			100 ug/L	1/month	Grab
Bromoform (*5)	32104				100 ug/L	1/month	Grab
Carbon Tetrachloride (*5)	32102				100 ug/L	1/month	Grab
Chlorobenzene (*5)	34301				100 ug/L	1/month	Grab
Chlorodibromomethane (*5)	32105				100 ug/L	1/month	Grab
Chloroethane (*5)	34311		***		100 ug/L	1/month	Grab
2-Chloroethyl Vinyl Ether(*5)	34576				100 ug/L	1/month	Grab
Chloroform (*5)	32106				100 ug/L	1/month	Grab
Dichlorobromomethane (*5)	32101				100 ug/L	1/month	Grab
1,1-Dichloroethane (*5)	34496				100 ug/L 100 ug/L	1/month	Grab
1,2-Dichloroethane (*5)	34531				100 ug/L 100 ug/L	1/month	
1,1-Dichloroethylene(*5)	34501				100 ug/L 100 ug/L	1/month	Grab
1,2-Dichloropropane (*5)	34541				-		Grab
1,3-Dichloropropylene (*5)	51044				100 ug/L	1/month	Grab
Ethylbenzene (*1)(*5)	343 <b>7</b> 1		***		100 ug/L	1/month	Grab
Methyl Bromide (*5)					100 ug/L	1/month	Grab
	34413				100 ug/L	1/month	Grab
Methyl Chloride (*5)	34418				100 ug/L	1/month	Grab
Methylene Chloride (*5)	34423		<b>~~-</b>		100 ug/L	1/month	Grab
1,1,2,2-Tetra-Chloroethane(*5)	34516				100 ug/L	1/month	Grab
Tetrachloroethylene (*5)	34475				100 ug/L	1/month	Grab
Toluene (*1)(*5)	34010			~~-	100 ug/L	1/month	Grab
1-2-Trans-Dichloroethylene(*5)	34546				100 ug/L	1/month	Grab
1,1,1-Trichloroethane (*5)	34506				100 ug/L	1/month	Grab
1,1,2-Trichloroethane (*5)	34511				100 ug/L	1/month	Grab
Trichlorethylene (*5)	39180				100 ug/L	1/month	Grab
Vinyl Chloride (*5)	39175				100 ug/L	1/month	Grab
ACID COMPOUNDS				•			
2-Nitrophenol (*5)	34591				100 ug/L	1/month	Grab
4-Nitrophenol (*5)	34646				100 ug/L 100 ug/L	1/month	Grab
2,4-Dinitrophenol (*5)	34616				100 ug/L 100 ug/L	1/month	Grab
4,6-Dinitro-o-Cresol (*5)	34657				100 ug/L	1/month	
P-Chloro-M-Cresol (*5)	34452				100 ug/L 100 ug/L	1/month	Grab Grab
Pentachlorophenol (*5)	39032				100 ug/L 100 ug/L	1/month	Grab Grab
	37432				100 mar	i/illOll(j)	Grab

Page 4 of 12 DRAFT Permit No. LA0114405 Al No. 87738

# EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

Effluent Characteristic	<u>Di</u>	scharge Limi	itations Other Units			Monitoring Requirements (*7)	
	(lbs/da		STATED) (m	g/L. UNLES	S STATED)		
	STORET	Monthly	Daily	Monthly	Daily	Measurement	Sample
	Code	Average	Maximum	Average	Maximum	Frequency	Туре
						,,	-71-
2-chlorophenol (*5)	34586	4			100 ug/L	1/month	Grab
2,4-Dichlorophenol (*5)	34601			*	100 ug/L	1/month	Grab
2,4-Dimethylphenol (*5)	34606		***		100 ug/L	1/month	Grab
BASE/NEUTRAL COMPOUNDS							
1,2-Dichlorobenzene (*5)	34536				100 ug/L	1/month	Grab
1,2-Diphenylhydrazine (*5)	34346				100 ug/L	1/month	Grab
1,2,4-Trichlorobenzene (*5)	34551				100 ug/L	1/month	Grab
1,3-Dichlorobenzene (*5)	34566				100 ug/L	1/month	Grab
1,4-Dichlorobenzene (*5)	34571				100 ug/L	1/month	Grab
2-Chloronaphthalene (*5)	34581				100 ug/L	1/month	Grab
2,4-Dinitrotoluene (*5)	34611				100 ug/L	1/month	Grab
2,6-Dinitrotoluene (*5)	34626				100 ug/L	1/month	Grab
3,3'-Dichlorobenz idine (*5)	34631				100 ug/L	1/month	Grab
3,4-Benzofluoranthene (*5)	34230				100 ug/L	1/month	Grab
4-Bromophenyl Phenyl Ether (*5)	34636				100 ug/L	1/month	Grab
4-Chlorophenyl Phenyl Ether (*5)	34641	***	***		100 ug/L	1/month	Grab
Acenaphthene (*5)	34205				100 ug/L	1/month	Grab
Acenaphthylene (*5)	34200				100 ug/L	1/month	Grab
Anthracene (*5)	34220				100 ug/L	1/month	Grab
Benzidine (*5)	39120				100 ug/L	1/month	Grab
Benzo (a) Anthracene (*5)	34526				100 ug/L	1/month	Grab
Benzo (a) Pyrene (*5)	34247				100 ug/L	1/month	Grab
Benzo, (g,h,i) Perylene (*5)	34521				100 ug/L	1/month	Grab
Benzo (k) Fluoranthene (*5)	34242				100 ug/L	1/month	Grab
Bis (2-Chloroethoxy) Methane (*5)	34278				100 ug/L	1/month	Grab
Bis (2-Chloroethyl) Ether (*5)	34273				100 ug/L	1/month	Grab
Bis (2-Chloroisopropyl) Ether (*5)	34283				100 ug/L	1/month	Grab
Chrysene (*5)	34320				100 ug/L	1/month	Grab
Dibenzo (a,h) Anthracene (*5)	34556			***	100 ug/L	1/month	Grab
Diethyl Phthalate (*5)	34336				100 ug/L	1/month	Grab
Dimethyl Phthalate (*5)	34341				100 ug/L	1/month	Grab
Di-N-Butyl Phthalate (*5)	39110				100 ug/L	1/month	Grab
Di-N-Octyl Phthalate (*5)	34596				100 ug/L	1/month	Grab
Fluorene (*5)	34381				100 ug/L	1/month	Grab
Hexachlorobenzene (*5)	39700				100 ug/L	1/month	Grab
Hexachlorobutadiene (*5)	34391				100 ug/L	1/month	Grab
Hexachlorocyclopentadiene (*5)	34386				100 ug/L	1/month	Grab
Hexachloroethane (*5)	34396				100 ug/L	1/month	Grab
Ideno (1,2,3-c,d) Pyrene (*5)	34403				100 ug/L	1/month	Grab
Isophorone (*5)	34408				100 ug/L	1/month	Grab
Naphthalene (*5)	34696	***			100 ug/L	1/month	Grab
Nitrobenzene (*5)	34447				100 ug/L	1/month	Grab
N-Nitrosodimethylamine (*5)	34438				100 ug/L	1/month	Grab
N-Nitrosodi-n-propylamine (*5)	34428				100 ug/L	1/month	Grab
N-Nitrosodiphenylamine (*5)	34433				100 ug/L	1/month	Grab
Phenanthrene (*5)	34461				100 ug/L	1 month	Grab
Pyrene (*5)	34469				100 ug/L	1/month	Grab
· · · · · · · · · · · · · · · · · · ·							

PART I

Page 5 of 12 DRAFT Permit No. LA0114405 AI No. 87738

# EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

Effluent Characteristic	<u>Di</u>	scharge Lim		Monitoring Requirements (*7)			
	(lbs/d:		Other Units STATED) (m	e/L. UNLES	S STATED)		
	STORET	Monthly	Daily	Monthly	Daily	Measurement	Sample
	Code	Average	Maximum	Average	Maximum	Frequency	Туре
PESTICIDES/HERBICIDES							
Alpha-Endosulfan (*5)	34361			**-	10 ug/L	1/month	Grab
Beta-Endosulfan (*5)	34356				10 ug/L	1/month	Grab
Endosulfan Sulfate (*5)	34351				10 ug/L	1/month	Grab
Aldrin (*5)	39330				10 ug/L	1/month	Grab
Alpha-BHC (*5)	39337				10 ug/L	1/month	Grab
Beta-BHC (*5)	39338				10 ug/L	1/month	Grab
Gamma-BHC (*5)	39340				10 ug/L	1/month	Grab
Delta-BHC (*5)	34259				10 ug/L	1/month	Grab
Dieldrin (*5)	39380				10 ug/L	1/month	Grab
4,4'-DDÈ (*5)	39320				10 ug/L	l/month	Grab
4,4'-DDD (*5)	39310				10 ug/L	1/month	Grab
4,4'-DDT (*5)	39300				10 ug/L	1/month	Grab
Heptachlor (*5)	39410				10 ug/L	1/month	Grab
Endrin Aldehyde (*5)	34366				10 ug/L	1/month	Grab
Heptachlor Epoxide (*5)	39420	-44			10 ug/L	1/month	Grab
Chlordane (*5)	39350				10 ug/L	1/month	Grab
Toxaphene (*5)	39400				10 ug/L	1/month	Grab
PCB-1242 (*5)	39496				(*4)	1/month	Grab
PCB-1254 (*5)	39504				(*4)	1/month	Grab
PCB-1221 (*5)	39488				(*4)	1/month	Grab
PCB-1232 (*5)	39492		***		(*4)	1/month	Grab
PCB-1248 (*5)	39500				(*4)	1/month	Grab
PCB-1260 (*5)	39508				(*4)	1/month	Grab
PCB-1016 (*5)	34671				(*4)	1/month	Grab
2,3,7,8-TCDD (Dioxin) (*5)	34675				5 ug/L	1/month	Grab
Endrin (*5)	39390				5 ug/L	1/month	Grab

There shall be no discharge of floating solids or visible foam in other than trace amounts.

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s):

Outfall 001, at the point of discharge from the Parshall Flume, prior to combining with any other wastewaters

- (\*1) This parameter shall be monitored if the outfall could potentially be affected by the handling and/or storage of commodities containing liquid or gaseous hydrocarbons. Total BTEX shall be measured as the sum of benzene, toluene, ethylbenzene, ortho-xylene, meta-xylene, and para-xylene, as quantified by EPA Methods 602, 624, 8020, or 8240
- (\*2) The permittee shall report on the Discharge Monitoring Reports both the minimum and maximum instantaneous pH values measured
- (\*3) This parameter shall be monitored if the outfall could potentially be affected by the handling and/or storage of commodities containing any phenolic compound.
- (\*4) See Part II, Paragraph O
- (\*5) See Part II, Paragraph N
- (\*6) See Part II, Paragraphs G and M
- (\*7) When discharging

Page 6 of 12 DRAFT Permit No. LA0114405 AI No. 87738

# EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

During the period beginning the effective date and lasting through the expiration date the permittee is authorized to discharge from:

Outfall 002 - stormwater runoff from Tank Batteries, firefighting test waters, steam condensate, previously monitored hydrostatic test wastewater, and non-TEC wash water when treatment is not required (\*1)

Outfall 003 - stormwater runoff from Tank Batteries, firefighting test waters, steam condensate, previously monitored hydrostatic test wastewater, and non-TEC wash water when treatment is not required (\*1)

Such discharges shall be limited and monitored by the permittee as specified below:

Effluent Characteristic	<u>Dis</u>	scharge Limi	Monitoring Requirements (*2)				
	(lbs/da	v. UNLESS	STATED) (m	g/L. UNLES	S STATED)		
	STORET	Monthly	Daily	Monthly	Daily	Measurement	Sample
	Code	Average	Maximum	Average	Maximum	Frequency	Турс
	0000					,	-71-
Flow-MGD	50050	Report	Report			1/month	Estimate
COD	00340				125	1/month	Grab
TOC	00680				50	1/month	Grab
Oil & Grease	03582				15	1/month	Grab
Total BTEX (*3, *5)	30383				250 ug/L	1/ month	Grab
Total Phenols (*5)	32730				500 ug/L	1/month	Grab
pH Min/Max Values	00400			6.0 (*4)	9.0 (*4)	1/month	Grab
(Standard Units)				(Min)	(Max)		
(4				` ,	` ,		
METALS, CYANIDE							
Antimony (*5)	01097				600 ug/L	1/month	Grab
Arsenic (*5)	01002				100 ug/L	1/month	Grab
Beryllium (*5)	01012				100 ug/L	1/month	Grab
Cadmium (*5)	01027				100 ug/L	1/month	Grab
Chromium (*5)	01034				150 ug/L	1/month	Grab
Copper (*5)	01042				500 ug/L	1/month	Grab
Lead (*5)	01051				150 ug/L	1/month	Grab
Mercury (*5)	71900				10 ug/L	1/month	Grab
Nickel(*5)	01067				500 ug/L	1/month	Grab
Selenium (*5)	01147				100 ug/L	1/month	Grab
Silver (*5)	01077				100 ug/L	1/month	Grab
Thallium (*5)	01059				100 ug/L	1/month	Grab
Zinc (*5)	01092				1000 ug/L	1/month	Grab
Total Cyanide (*5)	00720				100 ugL	1/month	Grab
VOLATILE COMPOUNDS							
Acrolein (*5)	34210				100 ug/L	1/month	Grab
Acrylonitrile(*5)	34215				100 ug/L	1/month	Grab
Benzene (*5)	34030				100 ug/L	1/month	Grab
Bromoform (*5)	32104				100 ug/L	1/month	Grab
Carbon Tetrachloride (*5)	32102				100 ug/L	1/month	Grab
Chlorobenzene (*5)	34301				100 ug/L	1/month	Grab
Chlorodibromomethane (*5)	32105			***	100 ug/L	1/month	Grab
Chloroethane (*5)	34311				100 ug/L	1/month	Grab
2-Chloroethyl Vinyl Ether(*5)	34576				100 ug/L	1/month	Grab
2 Chioroday: This Billor ( )	J						

PART I

Page 7 of 12 DRAFT Permit No. LA0114405 AI No. 87738

# EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

Effluent Characteristic	<u>Dis</u>	scharge Limi	tations Other Units			Monitoring Requirements (*2)	
	(lbs/da		STATED) (m	g/L, UNLES	S STATED)		
	STORET	Monthly	Daily	Monthly	Daily	Measurement	Sample
	Code	Average	Maximum	Average	Maximum	Frequency	Туре
	0000	1110105	<b> </b>	U		, ,	
Chloroform (*5)	32106				100 ug/L	1/month	Grab
Dichlorobromomethane (*5)	32101	m#*			100 ug/L	1/month	Grab
1,1-Dichloroethane (*5)	34496				100 ug/L	1/month	Grab
1,2-Dichloroethane (*5)	34531				100 ug/L	1/month	Grab
1,1-Dichloroethylene(*5)	34501				100 ug/L	1/month	Grab
1,2-Dichloropropane (*5)	34541				100 ug/L	1/month	Grab
1,3-Dichloropropylene (*5)	51044				100 ug/L	1/month	Grab
Ethylbenzene (*5)	34371				100 ug/L	1/month	Grab
Methyl Bromide (*5)	34413				100 ug/L	1/month	Grab
Methyl Chloride (*5)	34418				100 ug/L	I/month	Grab
Methylene Chloride (*5)	34423				100 ug/L	1/month	Grab
1,1,2,2-Tetra-Chloroethane(*5)	34516				100 ug/L	1/month	Grab
Tetrachloroethylene (*5)	34475				100 ug/L	1/month	Grab
Toluene (*5)	34010				100 ug/L	1/month	Grab
1-2-Trans-Dichloroethylene(*5)	34546				100 ug/L	1/month	Grab
1,1,1-Trichloroethane (*5)	34506			<b>.</b>	100 ug/L	1/month	Grab
1,1,2-Trichloroethane (*5)	34511				100 ug/L	1/month	Grab
Trichlorethylene (*5)	39180				100 ug/L	1/month	Grab
Vinyl Chloride (*5)	39175				100 ug/L	1/month	Grab
Vinyi Chloride (*5)	37173						
ACID COMPOUNDS							
Phenol (*5)	34694	<u></u>		war.	100 ug/L	1/month	Grab
2-Nitrophenol (*5)	34591				100 ug/L	1/month	Grab
4-Nitrophenol (*5)	34646				100 ug/L	1/month	Grab
2,4-Dinitrophenol (*5)	34616				100 ug/L	1/month	Grab
4,6-Dinitro-o-Cresol (*5)	34657				100 ug/L	1/month	Grab
P-Chloro-M-Cresol (*5)	34452				100 ug/L	1/month	Grab
Pentachlorophenol (*5)	39032				100 ug/L	1/month	Grab
2-chlorophenol (*5)	34586				100 ug/L	1/month	Grab
2,4-Dichlorophenol (*5)	34601				100 ug/L	1/month	Grab
2,4,6-Trichlorophenol (*5)	34621			***	100 ug/L	1/month	Grab
2,4-Dimethylphenol (*5)	34606				100 ug/L	1/month	Grab
BASE/NEUTRAL COMPOUNDS							
1.2 Dichlanchangene (*5)	34536				100 ug/L	1/month	Grab
1,2-Dichlorobenzene (*5)	34346				100 ug/L	1/month	Grab
1,2-Diphenylhydrazine (*5)	34551				100 ug/L	1/month	Grab
1,2,4-Trichlorobenzene (*5)	34566				100 ug/L	1/month	Grab
1,3-Dichlorobenzene (*5)					100 ug/L	1/month	Grab
1,4-Dichlorobenzene (*5)	34571				100 ug/L 100 ug/L	1/month	Grab
2-Chloronaphthalene (*5)	34581				100 ug/L 100 ug/L	1/month	Grab
2,4-Dinitrotoluene (*5)	34611 34626				100 ug/L 100 ug/L	1/month	Grab
2,6-Dinitrotoluene (*5)					100 ug/L 100 ug/L	1/month	Grab
3,3'-Dichlorobenzidine (*5)	34631				100 ug/L 100 ug/L	1/month	Grab
3,4-Benzofluoranthene (*5)	34230 34636				100 ug/L 100 ug/L	1/month	Grab
4-Bromophenyl Phenyl Ether (*5)	34636 34641				100 ug/L 100 ug/L	1/month	Grab
4-Chlorophenyl Phenyl Ether (*5)	34641 34205				100 ug/L 100 ug/L	1/month	Grab
Acenaphthene (*5) Acenaphthylene (*5)	34203				100 ug/L 100 ug/L	1/month	Grab
Acenaphunyiene (*5)	34200				ug. D		

Page 8 of 12 DRAFT Permit No. LA0114405 AI No. 87738

# EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

Effluent Characteristic	<u>Di</u>	scharge Limi	Monitoring Requirements (*2)				
	(lbs/da		Other Units STATED) (m	g/L. UNLES	S STATED)		
	STORET	Monthly	Daily	Monthly	Daily	Measurement	Sample
	Code	Average	Maximum	Average	Maximum	Frequency	Туре
Anthracene (*5)	34220				100 ug/L	1/month	Grab
Benzidine (*5)	39120				100 ug/L	1/month	Grab
Benzo (a) Anthracene (*5)	34526				100 ug/L	1/month	Grab
Benzo (a) Pyrene (*5)	34247				100 ug/L	1/month	Grab
Benzo, (g,h,i) Perylene (*5)	34521				100 ug/L	1/month	Grab
Benzo (k) Fluoranthene (*5)	34242				100 ug/L	1/month	Grab
Bis (2-Chloroethoxy) Methane (*5)	34278				100 ug/L	1/month	Grab
Bis (2-Chloroethyl) Ether (*5)	34273		_		100 ug/L	I/month	Grab
Bis (2-Chloroisopropyl) Ether (*5)	34283				100 ug/L	1/month	Grab
Bis (2-Ethylhexyl) Phthalate (*5)	39100				100 ug/L	1/month	Grab
Butyl Benzyl Phthalate (*5)	34292				100 ug/L	1/month	Grab
Chrysene (*5)	34320				100 ug/L	1/month	Grab
Dibenzo (a,h) Anthracene (*5)	34556				100 ug/L	1/month	Grab
Diethyl Phthalate (*5)	34336				100 ug/L	1/month	Grab
Dimethyl Phthalate (*5)	34341	***			100 ug/L 100 ug/L	1/month	Grab
Di-N-Butyl Phthalate (*5)	39110				100 ug/L 100 ug/L	1/month	Grab
Di-N-Octyl Phthalate (*5)	34596				100 ug/L 100 ug/L	1/month	Grab
Fluoranthene (*5)	34376		***		100 ug/L	1/month	Grab
Fluorene (*5)	34381				100 ug/L	1/month	Grab
Hexachlorobenzene (*5)	39700				100 ug/L	1/month	Grab
Hexachlorobutadiene (*5)	34391				100 ug/L	l/month	Grab
Hexachlorocyclopentadiene (*5)	34386				100 ug/L	1/month	Grab
Hexachloroethane (*5)	34396				100 ug/L	1/month	Grab
Ideno (1,2,3-c,d) Pyrene (*5)	34403		***		100 ug/L	1/month	Grab
Isophorone (*5)	34408		<b></b>		100 ug/L	1/month	Grab
Naphthalene (*5)	34696				100 ug/L	1/month	Grab
Nitrobenzene (*5)	34447				100 ug/L	1/month	Grab
N-Nitrosodimethylamine (*5)	34438				100 ug/L	1/month	Grab
N-Nitrosodi-n-propylamine (*5)	34428				100 ug/L	1/month	Grab
N-Nitrosodiphenylamine (*5)	34433				100 ug/L	1/month	Grab
Phenanthrene (*5)	34461				100 ug/L	1/month	Grab
Pyrene (*5)	34469				100 ug/L	1/month	Grab
- , ,							
<u>PESTICIDES/HERBICIDES</u>							
Alpha-Endosulfan (*5)	34361				10 ug/L	1/month	Grab
Beta-Endosulfan (*5)	34356				10 ug/L	1/month	Grab
Endosulfan Sulfate (*5)	34351				10 ug/L	1/month	Grab
Aldrin (*5)	39330				10 ug/L	1/month	Grab
Alpha-BHC (*5)	39337				10 ug/L	1/month	Grab
Beta-BHC (*5)	39338				10 ug/L	1/month	Grab
Gamma-BHC (*5)	39340				10 ug/L	1/month	Grab
Delta-BHC (*5)	34259				10 ug/L	1/month	Grab
Dieldrin (*5)	39380				10 ug/L	1/month	Grab
4,4'-DDE (*5)	39320				10 ug/L	1/month	Grab
4,4'-DDD (*5)	39310	***			10 ug/L	1/month	Grab
4,4'-DDT (*5)	39300				10 ug/L	1/month	Grab
Heptachlor (*5)	39410				10 ug/L	1/month	Grab
Endrin Aldehydye (*5)	34366				10 ug/L	I/month	Grab
Heptachlor Epoxide (*5)	39420				10 ug/L	1/month	Grab

Page 9 of 12 DRAFT Permit No. LA0114405 AI No. 87738

# EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

Effluent Characteristic	Dis	charge Limi	Monitoring Requirements (*2)				
			Other Units				
	(lbs/da	y, UNLESS	STATED) (m	g/L, UNLES	S STATED)		
	STORET	Monthly	Daily	Monthly	Daily	Measurement	Sample
	Code	Average	Maximum	Average	Maximum	Frequency	Type
Chlordane (*5)	39350				10 ug/L	1/month	Grab
Toxaphene (*5)	39400				10 ug/L	1/month	Grab
PCB-1242 (*5)	39496				(*6)	1/month	Grab
PCB-1254 (*5)	39504				(*6)	1/month	Grab
PCB-1221 (*5)	39488				(*6)	1/month	Grab
PCB-1232 (*5)	39492				(*6)	1/month	Grab
PCB-1248 (*5)	39500				(*6)	1/month	Grab
PCB-1260 (*5)	39508				(*6)	1/month	Grab
PCB-1016 (*5)	34671				(*6)	1/month	Grab
2,3,7,8-TCDD (Dioxin) (*5)	34675				5 ug/L	1/month	Grab
Endrin (*5)	39390				5 ug/L	1/month	Grab

There shall be no discharge of floating solids or visible foam in other than trace amounts.

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s):

Outfall 002, at the point of discharge located on Dock 4, prior to combining with any other waters

Outfall 003, at the point of discharge located on Dock 3, prior to combining with any other waters

- (\*1) See Part II, Paragraph M
- (\*2) When discharging
- (\*3) Total BTEX shall be measured as the sum of benzene, toluene, ethylbenzene, ortho-xylene, meta-xylene, and para-xylene, as quantified by EPA Methods 602, 624, 8020, or 8240
- (\*4) The permittee shall report on the Discharge Monitoring Reports both the minimum and maximum instantaneous pH values measured
- (\*5) See Part II, Paragraph N
- (\*6) See Part II, Paragraph O

Page 10 of 12 DRAFT Permit No. LA0114405 Al No. 87738

# EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

During the period beginning the effective date and lasting through the expiration date the permittee is authorized to discharge from:

Outfall 005 - hydrostatic test wastewater

Such discharges shall be limited and monitored by the permittee as specified below:

Effluent Characteristic	<del>-</del>	<u>charge Limi</u> y, UNLESS	Monitoring Requirements				
	STORET Code	Monthly Average	Daily Maximum	Monthly Average	Daily Maximum	Measurement Frequency	Sample Type
Flow-MGD	50050				Report	1/ discharge	Estimate
TSS (*1)	00530				90	1/ discharge	Grab
TOC (*2)	00680				50	1/ discharge	Grab
Oil & Grease	03582				15	1/ discharge	Grab
Total BTEX (*2, *3)	30383				250 ug/L	1/ discharge	Grab
Lead (*2)	01051				50 ug/L	1/ discharge	Grab
Benzene(*2)	34030				50 ug/L	1/ discharge	Grab
pH Min/Max Values (Standard Units)	00400		<b></b>	6.0 (*4) (Min)	9.0 (*4) (Max)	1/ discharge	Grab

There shall be no discharge of floating solids or visible foam in other than trace amounts.

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s):

Outfall 005, at the point of discharge from the tested vessel or pipe, prior to combining with any other waters

- (\*1) The background concentration of Total Suspended Solids (TSS) will be allowed in the discharge IF the effluent is returned to the same source from which the intake water was obtained. In these cases, the permit limitations will be 90 mg/L plus the concentration of TSS in the intake water. The TSS concentration of the intake water shall be reported on the DMR along with the concentration of the TSS in the effluent.
- (\*2) TOC shall be measured on discharges from pipelines, flowlines, piping, vessels, or tanks which have previously been in service.

  Benzene, Total BTEX, and Lead shall be monitored on discharges from pipelines, flowlines, piping, vessels, or tanks which have been used for the storage or transportation of liquid or gaseous hydrocarbons. Accordingly, for new pipelines, flowlines, piping, vessels, or tanks, FLOW, TSS, OIL & GREASE, and pH are the only testing requirements.
- (\*3) Total BTEX shall be measured as the sum of benzene, toluene, ethylbenzene, ortho-xylene, meta-xylene, and para-xylene, as quantified by EPA Methods 602, 624, 8020, or 8240
- (\*4) The permittee shall report on the Discharge Monitoring Reports both the minimum and maximum instantaneous pH values measured

Page 11 of 12 DRAFT Permit No. LA0114405 AI No. 87738

# EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

During the period beginning the effective date and lasting through the expiration date the permittee is authorized to discharge from:

Outfall 006 - treated sanitary wastewater

Outfall 007 - treated sanitary wastewater

Outfall 008 - treated sanitary wastewater

Such discharges shall be limited and monitored by the permittee as specified below:

Effluent Characteristic	<u>Dis</u>	scharge Limi	Monitoring Requirements (*1)				
	(lbs/da	y, UNLESS	STATED) (m	g/L, UNLES	S STATED)		
	STORET	Monthly	Measurement	Sample			
	Code	Average	Maximum	Average	Maximum	Frequency	Туре
					_		
Flow-MGD	50050				Report	1/6 months	Estimate
BOD <sub>5</sub>	00310		***	~=-	45	1/6 months	Grab
ZZT	00530				45	1/6 months	Grab
Oil & Grease	03582		•••		15	1/6 months	Grab
Fecal Coliform Colonies/100 ml	74055		•	***	400	1/6 months	Grab
pH Min/Max Values (Standard Units)	00400			6.0 (*2) (Min)	9.0 (*2) (Max)	1/6 months	Grab

There shall be no discharge of floating solids or visible foam in other than trace amounts.

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s):

Outfall 006, at the point of discharge from the package treatment plant to the north ditch along Highway 3137, near the driveway to the Administration Office Building, prior to combining with any other waters

Outfall 007, at the point of discharge from the package treatment plant to an internal ditch near the Maintenance Office Trailer, prior to combining with any other waters

Outfall 008, at the point of discharge from the package treatment plant to an internal ditch near the Wastewater Office trailer, prior to combining with any other waters

- (\*1) When discharging
- (\*2) The permittee shall report on the Discharge Monitoring Reports both the minimum and maximum instantaneous pH values measured.

Page 12 of 12 DRAFT Permit No. LA0114405 AI No. 87738

# EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

During the period beginning the effective date and lasting through the expiration date the permittee is authorized to discharge from:

Outfall 009 - storm water from parking lots and unpaved areas of the terminal, firefighting test water, previously monitored hydrostatic test wastewater, and previously monitored sanitary wastewater from Outfalls 007 and 008

Outfall 010 - storm water from parking lots and unpaved areas of the terminal, firefighting test water, previously monitored hydrostatic test wastewater, and previously monitored sanitary wastewater from Outfalls 007 and 008

Outfall 011 - storm water from parking lots and unpaved areas of the terminal, firefighting test water, previously monitored hydrostatic test wastewater, and previously monitored sanitary wastewater from Outfalls 007 and 008

Outfall 012 - storm water from parking lots and unpaved areas of the terminal, firefighting test water, previously monitored hydrostatic test wastewater, and previously monitored sanitary wastewater from Outfalls 007 and 008

Such discharges shall be limited and monitored by the permittee as specified below:

Effluent Characteristic	Dis	charge Limi	Monitoring Requirements (*1)				
			Other Units				
	(lbs/da	y, UNLESS	STATED) (m	g/L, UNLES	S STATED)		
	STORET	Monthly	Daily	Monthly	Daily	Measurement	Sample
	Code	Average	Maximum	Average	Maximum	Frequency	Type
					Damant	1/quarter	Estimate
Flow-MGD	50050			e==	Report	1	
TOC	00680				50	1/quarter	Grab
Oil & Grease	03582			<b>,,</b>	15	1/quarter	Grab
pH Min/Max Values (Standard Units)	00400			6.0 (*2) (Min)	9.0 (*2) (Max)	1/quarter	Grab

There shall be no discharge of floating solids or visible foam in other than trace amounts.

The facility must notify LDEQ in writing prior to storing commodities in these areas.

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s):

Outfall 009, at the point of discharge to the Hwy 3137 road side ditch south of Tank Battery H, prior to combining with any other waters.

Outfall 010, at the point of discharge to the Hwy 39 road side ditch south of the land flare, prior to combining with any other waters

Outfall 011, at the point of discharge to the Hwy 39 roadside ditch on the southeast side of the facility, prior to combining with any other waters

Outfall 012, at the point of discharge to the Hwy 39 roadside ditch, near the parking lot, prior to combining with any other waters

- (\*1) When discharging
- (\*2) The permittee shall report on the Discharge Monitoring Reports both the minimum and maximum instantaneous pH values measured

Page 1 of 16 Permit No. Draft LA0114405 AI No. 87738

#### PART II

#### OTHER REQUIREMENTS

In addition to the standard conditions required in all permits and listed in Part III, the Office has established the following additional requirements in accordance with the Louisiana Water Quality Regulations.

- A. The Department of Environmental Quality reserves the right to impose more stringent discharge limitations or additional restrictions, if necessary, to maintain the water quality integrity and the designated uses of the receiving water bodies.
- B. This permit does not in any way authorize the permittee to discharge a pollutant not listed or quantified in the application or limited or monitored for in the permit.
- C. Authorization to discharge pursuant to the conditions of this permit does not relieve the permittee of any liability for damages to state waters or private property. For discharges to private land, this permit does not relieve the permittee from obtaining proper approval from the landowner for appropriate easements and rights of way.
- D. For definitions of monitoring and sampling terminology see Part III, Section F.

# E. 24-HOUR ORAL REPORTING: DAILY MAXIMUM LIMITATION VIOLATIONS

Under the provisions of Part III.D.6.e.(3) of this permit, violations of daily maximum limitations for the following pollutants shall be reported orally to the Office of Environmental Compliance within 24 hours from the time the permittee became aware of the violation followed by a written report in five days.

Pollutant(s):

#### METALS, CYANIDE, TOTAL PHENOLS

Copper	Silver
Lead	Thallium
Mercury	Zinc
Nickel	Total Cyanide
Selenium	Total Phenols
	Lead Mercury Nickel

# **DIOXIN**

2,3,7,8-TCDD

#### **VOLATILE COMPOUNDS**

Acrolein	Dichlorobromomethane	1,1,2,2-Tetra-Chloroethane
Acrylonitrile	1,1-Dichloroethane	Tetrachloroethylene
Benzene	1,2-Dichloroethane	Toluene
Bromoform	1,1-Dichloroethylene	1-2-Trans-
Carbon Tetrachloride	1,2-Dichloropropane	Dichloroethylene
Chlorobenzene	1,3-Dichloropropylene	1,1,1-Trichloroethane
Chlorodibromomethane	Ethylbenzene	1,1,2-Trichloroethane
Chloroethane	Methyl Bromide	Trichlorethylene
2-Chloroethyl Vinyl Ether	Methyl Chloride	Vinyl Chloride
Chloroform	Methylene Chloride	

Page 2 of 16

Permit No. Draft LA0114405

AI No. 87738

#### OTHER REQUIREMENTS (continued)

# **ACID COMPOUNDS**

Phenol	4,6-Dinitro-O-Cresol	2,4-Dichlorophenol
2-Nitrophenol	P-Chloro-M-Cresol	2,4,6-Trichlorophenol
4-Nitrophenol	Pentachlorophenol	2,4-Dimethylphenol
2,4-Dinitrophenol	2-Chlorophenol	

# BASE/NEUTRAL COMPOUNDS

1,2-Dichlorobenzene	Benzo (a) Anthracene	Fluoranthene
1,2-Diphenylhydrazine	Benzo (a) Pyrene	Fluorene
1,2,4-Trichlorobenzene	Benzo, (g,h,i) Perylene	Hexachlorobenzene
1,3-Dichlorobenzene	Benzo (k) Fluoranthene	Hexachlorobutadiene
1,4-Dichlorobenzene	Bis (2-Chloroethoxy)	Hexachlorocyclopentadiene
2-Chloronaphthalene	Methane	Hexachloroethane
2,4-Dinitrotoluene	Bis (2-Chloroethyl) Ether	Ideno (1,2,3-c,d) Pyrene
2,6-Dinitrotoluene	Bis (2-Chloroisopropyl)	Isophorone
3,3-Dichlorobenzidine	Ether	Naphthalene
3,4-Benzofluoranthene	Bis (2-Ethylhexyl)	Nitrobenzene
4-Bromophenyl Phenyl	Phthalate	N-Nitrosodimethylamine
Ether	Butyl Benzyl Phthalate	N-Nitrosodi-n-
4-Chlorophenyl Phenyl	Chrysene	propylamine
Ether	Dibenzo (a,h) Anthracene	N-Nitrosodiphenylamine
Acenaphthene	Diethyl Phthalate	Phenanthrene
Acenaphthylene	Dimethyl Phthalate	Pyrene
Anthracene	Di-N-Butyl Phthalate	

Di-N-Octyl Phthalate

## PESTICIDES/HERBICIDES

Benzidine

Alpha-Endosulfan	4,4'-DDE	PCB-1254
Beta-Endosulfan	4,4'-DDD	PCB-1221
Endosulfan Sulfate	4,4'-DDT	PCB-1232
Aldrin	Heptachlor	PCB-1248
Alpha-BHC	Endrin Aldehydye	PCB-1260
Beta-BHC	Heptachlor Epoxide	PCB-1016
Gamma-BHC	Chlordane	Endrin
Delta-BHC	Toxaphene	
Dieldrin	PCB-1242	

# F. ADDITIONAL REQUIREMENTS FOR FACILITIES REGULATED UNDER 40 CFR 437.45

- 1) A written log of the wastewaters treated and discharged (including type and source of wastewater, date of discharge, and volume of discharge) shall be kept at the main place of business and shall be made available to this Department upon request.
- At the time of submitting its application for a permit, the permittee shall notify the Department of its desire to be subject to the Multiple Waste Subcategory by submitting an Initial Certification Statement. The Initial Certification Statement is a written submission to the Department that is signed by the responsible corporate

Page 3 of 16 Permit No. Draft LA0114405 AI No. 87738

#### OTHER REQUIREMENTS (continued)

officer as defined in 40 CFR 403.12(I) or 40 CFR 122.22. The statement must:

- a. List and describe the subcategories of wastes accepted for treatment at the facility;
- b. List and describe the treatment systems in-place at the facility and conditions under which the treatment systems are operated for the subcategories of wastes accepted for treatment at the facility;
- c. Include information and supporting data establishing that these treatment systems will achieve equivalent treatment.
- 3. The permittee shall submit to the Department a Periodic Certification Statement once per year. A Periodic Certification Statement is a written submission to the Department certifying that the facility is operating the treatment systems to provide equivalent treatment as set forth in the Initial Certification. In the event that the facility has modified its treatment systems, the facility should submit a description of the modified systems and information and supporting data to establish that the modified system will achieve equivalent treatment. The Periodic Certification Statement must be signed by the responsible corporate officer as defined in 40 CFR 403.12(I) or 40 CFR 122.22.
- 4. The permittee shall maintain at the office of the facility, and make available for inspection, the On-site Compliance Paperwork. On-site Compliance Paperwork is data or information retained in the offices of the facility which supports the Initial and Periodic Certification Statements. This Paperwork must:
  - 1) List and describe the subcategory wastes being accepted for treatment at the facility;
  - 2) List and describe the treatment systems in-place at the facility, modifications to the treatment systems and the conditions under which the systems are operated for the subcategories of wastes accepted for treatment at the facility;
  - 3) Provide information and supporting data establishing that these treatment systems will achieve equivalent treatment;
  - Describe the procedures it follows to ensure that its treatment systems are well-operated and maintained; and
  - 5) Explain why the procedures it has adopted will ensure its treatment systems are well-operated and maintained.

# G. MATERIALS PROHIBITED FROM TREATMENT AT FACILITY

- 1. Only the following types of waste may be treated and discharged at this facility: barge washwater, bilge and ballast waters, internal vacuum tank washwater, used crude inland oil spill waters, used oil and diesel fuel tank washwater, sanitary wastewater, washwater from oilfield equipment and vessels, industrial oily wastewater, slop wastewater, stormwater, washdown water, and kitchen grease wastewater. The discharge of other types of wastewaters is prohibited without prior written approval from this Office.
- 2. Wastes or wastewater containing pesticides, herbicides, PCBs, or other hazardous materials shall not be treated at this facility.
- 3. Waste classified as non-hazardous oilfield waste (NOW) or exploration and production waste (E&P waste) shall not be discharged. However, wash water from tanks or vessels containing NOW or E&P waste may be discharged provided the oilfield waste has been drained or removed from the tanks prior to washing and provided that the facility has fulfilled any requirements from the Department of Natural Resources for handling NOW or E&P Waste. Effluent contaminated with chlorinated organic compounds shall not be discharged at this facility.

Page 4 of 16 Permit No. Draft LA0114405 Al No. 87738

# OTHER REQUIREMENTS (continued)

4. The treatment and discharge of metal-bearing wastewaters are specifically prohibited under this permit. This includes:

Spent electroplating baths and/or sludges
Metal finishing rinse water and sludges
Chromate wastes
Air pollution control blow down water and sludges
Spent anodizing solutions
Incineration wastewaters
Waste liquid mercury
Cyanide-containing wastes
Waste acids and bases with or without metals
Cleaning, rinsing, and surface preparation solutions from electroplating or phosphating operations
Vibratory deburring wastewater
Alkaline and acid solutions used to clean metal parts or equipment

Additionally, any wastewater that meets both of the following conditions:

- 1. contains Oil and Grease < 100 mg/l, and
- 2. has any of the pollutants listed below at or above the stated concentrations

Cadmium  $\geq 0.2$  mg/l Chromium  $\geq 8.9$  mg/l Copper  $\geq 4.9$  mg/l Nickel  $\geq 37.5$  mg/l

Monitoring of Oil and Grease, Cadmium, Chromium, Copper and Nickel shall be incorporated in the facility's waste receipt screening protocol.

H. 40 CFR PART 136 (See LAC 33:IX.4901) ANALYTICAL REQUIREMENTS

Unless otherwise specified in this permit, monitoring shall be conducted according to analytical, apparatus and materials, sample collection, preservation, handling, etc., procedures listed at 40 CFR Part 136, and in particular, Appendices A, B, and C (See LAC 33:IX.4901).

FLOW MEASUREMENT "ESTIMATE" SAMPLE TYPE

If the flow measurement sample type in Part I is specified as "estimate", flow measurements shall not be subject to the accuracy provisions established at Part III.C.6 of this permit. The daily flow value may be estimated using best engineering judgement.

J. The permittee shall achieve compliance with the effluent limitations and monitoring requirements specified for discharges in accordance with the following schedule:

Effective date of the permit

# K. MINIMUM QUANTIFICATION LEVEL (MQL)

If any individual analytical test result is less than the minimum quantification level listed below, a value of zero (0) may be used for that individual result for the Discharge Monitoring Report (DMR) calculations and reporting requirements.

Page 5 of 16

Permit No. Draft LA0114405

AI No. 87738

# OTHER REQUIREMENTS (continued)

NONCONVENTIONAL	MQL (μg/L)
Phenolics, Total Recoverable (4AAP)	5
METALS AND CYANIDE	MOL (µg/L)
Antimony (Total)	60
Arsenic (Total)	10
Beryllium (Total)	5
Cadmium (Total)	1
Chromium (Total)	10
Chromium (3+)	10
Chromium (6+)	10
Copper (Total)	10
Lead (Total)	5
Mercury (Total)	0.2
Molybdenum (Total)	30
Nickel (Total) Freshwater	40
Nickel (Total) Marine	5
Selenium (Total)	5
Silver (Total)	2
Thallium (Total)	10
Zinc (Total)	20
Cyanide (Total)	20
DIOXIN	MQL (μg/L)
DIOXIN 2,3,7,8-TCDD	<b>MOL (μg/L)</b> 0.00001
	-
2,3,7,8-TCDD	0.00001 MQL (μg/L) 50
2,3,7,8-TCDD  VOLATILE COMPOUNDS  Acrolein Acrylonitrile	0.00001 MQL (μg/L) 50 50
2,3,7,8-TCDD  VOLATILE COMPOUNDS  Acrolein Acrylonitrile Benzene	0.00001 MQL (μg/L) 50 50 10
2,3,7,8-TCDD  VOLATILE COMPOUNDS  Acrolein Acrylonitrile Benzene Bromoform	0.00001 MQL (μg/L) 50 50 10 10
2,3,7,8-TCDD  VOLATILE COMPOUNDS  Acrolein Acrylonitrile Benzene Bromoform Carbon Tetrachloride	0.00001  MQL (μg/L)  50  50  10  10  10
2,3,7,8-TCDD  VOLATILE COMPOUNDS  Acrolein Acrylonitrile Benzene Bromoform Carbon Tetrachloride Chlorobenzene	0.00001  MQL (μg/L)  50  50  10  10  10  10
2,3,7,8-TCDD  VOLATILE COMPOUNDS  Acrolein Acrylonitrile Benzene Bromoform Carbon Tetrachloride Chlorobenzene Chlorodibromomethane	0.00001  MQL (μg/L)  50  50  10  10  10  10  10
2,3,7,8-TCDD  VOLATILE COMPOUNDS  Acrolein Acrylonitrile Benzene Bromoform Carbon Tetrachloride Chlorobenzene Chlorodibromomethane Chloroethane	0.00001  MQL (μg/L)  50 50 10 10 10 10 10 50
2,3,7,8-TCDD  VOLATILE COMPOUNDS  Acrolein Acrylonitrile Benzene Bromoform Carbon Tetrachloride Chlorobenzene Chlorodibromomethane Chloroethane 2-Chloroethylvinylether	0.00001  MQL (μg/L)  50 50 10 10 10 10 50 10
2,3,7,8-TCDD  VOLATILE COMPOUNDS  Acrolein Acrylonitrile Benzene Bromoform Carbon Tetrachloride Chlorobenzene Chlorodibromomethane Chloroethane 2-Chloroethylvinylether Chloroform	0.00001  MQL (μg/L)  50 50 10 10 10 10 10 10 10 10 10 10 10
2,3,7,8-TCDD  VOLATILE COMPOUNDS  Acrolein Acrylonitrile Benzene Bromoform Carbon Tetrachloride Chlorobenzene Chlorodibromomethane Chloroethane 2-Chloroethylvinylether Chloroform Dichlorobromomethane	0.00001  MOL (μg/L)  50 50 10 10 10 10 10 10 10 10 10 10 10 10 10
2,3,7,8-TCDD  VOLATILE COMPOUNDS  Acrolein Acrylonitrile Benzene Bromoform Carbon Tetrachloride Chlorobenzene Chlorodibromomethane Chloroethylvinylether Chloroform Dichlorobromomethane 1,1-Dichloroethane	0.00001  MOL (μg/L)  50 50 10 10 10 10 10 10 10 10 10 10 10 10 10
2,3,7,8-TCDD  VOLATILE COMPOUNDS  Acrolein Acrylonitrile Benzene Bromoform Carbon Tetrachloride Chlorobenzene Chlorodibromomethane Chloroethane 2-Chloroethylvinylether Chloroform Dichlorobromomethane 1,1-Dichloroethane 1,2-Dichloroethane	0.00001  MOL (μg/L)  50 50 10 10 10 10 10 10 10 10 10 10 10 10 10
2,3,7,8-TCDD  VOLATILE COMPOUNDS  Acrolein Acrylonitrile Benzene Bromoform Carbon Tetrachloride Chlorobenzene Chlorodibromomethane Chloroethane 2-Chloroethylvinylether Chloroform Dichlorobromomethane 1,1-Dichloroethane 1,2-Dichloroethylene	0.00001  MOL (μg/L)  50  50  10  10  10  10  10  10  10  10
2,3,7,8-TCDD  VOLATILE COMPOUNDS  Acrolein Acrylonitrile Benzene Bromoform Carbon Tetrachloride Chlorobenzene Chlorodibromomethane Chloroethane 2-Chloroethylvinylether Chloroform Dichlorobromomethane 1,1-Dichloroethane 1,2-Dichloroethylene 1,2-Dichloropropane	0.00001  MOL (μg/L)  50 50 10 10 10 10 10 10 10 10 10 10 10 10 10
2,3,7,8-TCDD  VOLATILE COMPOUNDS  Acrolein Acrylonitrile Benzene Bromoform Carbon Tetrachloride Chlorobenzene Chlorodibromomethane Chloroethane 2-Chloroethylvinylether Chloroform Dichlorobromomethane 1,1-Dichloroethane 1,2-Dichloroethylene 1,2-Dichloropropane 1,3-Dichloropropylene	0.00001  MOL (μg/L)  50 50 10 10 10 10 10 10 10 10 10 10 10 10 10
2,3,7,8-TCDD  VOLATILE COMPOUNDS  Acrolein Acrylonitrile Benzene Bromoform Carbon Tetrachloride Chlorobenzene Chlorodibromomethane Chloroethane 2-Chloroethylvinylether Chloroform Dichlorobromomethane 1,1-Dichloroethane 1,2-Dichloroethylene 1,2-Dichloropropane	0.00001  MOL (μg/L)  50 50 10 10 10 10 10 10 10 10 10 10 10 10 10

Page 6 of 16

Permit No. Draft LA0114405 Al No. 87738

10

# OTHER REQUIREMENTS (continued)

2,4,6-Trichlorophenol

Methyl Chloride [Chloromethane]	50
Methylene Chloride	20 ′
1,1,2,2-Tetrachloroethane	10
Tetrachloroethylene	10
Toluene	10
1,2-trans-Dichloroethylene	10
1,1,1-Trichloroethane	10
1,1,2-Trichloroethane	10
Trichloroethylene	10
Vinyl Chloride	10

#### ACID COMPOUNDS MQL (µg/L) 10 2-Chlorophenol 10 2,4-Dichlorophenol 10 2,4-Dimethylphenol 4,6-Dinitro-o-Cresol [2-Methyl-4,6-Dinitrophenol] 50 50 2,4-Dinitrophenol 2-Nitrophenol 20 50 4-Nitrophenol 10 p-Chloro-m-Cresol [4-Chloro-3-Methylphenol] 50 Pentachlorophenol 10 Phenol

# BASE/NEUTRAL COMPOUNDS MOL (μg/L)

Acenaphthene	10
Acenaphthylene	10
Anthracene	10
Benzidine	50
Benzo(a)anthracene	10
Benzo(a)pyrene	10
3,4-Benzofluoranthene	10
Benzo(ghi)perylene	20
Benzo(k)fluoranthene	10
Bis(2-chloroethoxy) Methane	10
Bis(2-chloroethyl) Ether	10
Bis(2-chloroisopropyl) Ether	10
Bis(2-ethylhexyl) Phthalate	10
4-Bromophenyl Phenyl Ether	10
Butylbenzyl Phthalate	10
2-Chloronapthalene	10
4-Chlorophenyl Phenyl Ether	10
Chrysene	10
Dibenzo(a,h)anthracene	20
1,2-Dichlorobenzene	10
1,3-Dichlorobenzene	10
1,4-Dichlorobenzene	10
3,3'-Dichlorobenzidine	50

Page 7 of 16

Permit No. Draft LA0114405

AI No. 87738

# OTHER REQUIREMENTS (continued)

Diethyl Phthalate	10
Dimethyl Phthalate	10
Di-n-Butyl Phthalate	10
2,4-Dinitrotoluene	10
2,6-Dinitrotoluene	10
Di-n-octyl Phthalate	10
1,2-Diphenylhydrazine	20
Fluoranthene	10
Fluorene	10
Hexachlorobenzene	10
Hexachlorobutadiene	10
Hexachlorocyclopentadiene	10
Hexachloroethane	20
Indeno(1,2,3-cd)pyrene [2,3-o-Phenylene Pyrene]	20
Isophorone	10
Naphthalene	10
Nitrobenzene	10
n-Nitrosodimethylamine	50
n-Nitrosodi-n-Propylamine	20
n-Nitrosodiphenylamine	20
Phenanthrene	. 10
Pyrene	10
1,2,4-Trichlorobenzene	10

PESTICIDES	MQL (µg/L)
Aldrin	0.05
Alpha-BHC	0.05
Beta-BHC	0.05
Gamma-BHC [Lindane]	0.05
Delta-BHC	0.05
Chlordane	0.2
4,4'-DDT	0.1
4,4'-DDE [p,p-DDX]	0.1
4,4'-DDD [p,p-TDE]	0.1
Dieldrin	0.1
Alpha-Endosulfan	0.1
Beta-Endosulfan	0.1
Endosulfan Sulfate	0.1
Endrin	0.1
Endrin Aldehyde	0.1
Heptachlor	0.05
Heptachlor Epoxide [BHC-Hexachlorocyclohexane]	0.05
PCB-1242	1.0
PCB-1254	1.0
PCB-1221	1.0
PCB-1232	1.0
PCB-1248	1.0
PCB-1260	1.0
PCB-1016	1.0
Toxaphene	5.0

Page 8 of 16 Permit No. Draft LA0114405 AI No. 87738

OTHER REQUIREMENTS (continued)

The permittee may develop an effluent specific method detection limit (MDL) in accordance with Appendix B to 40 CFR Part 136 (See LAC 33:IX.4901). For any pollutant for which the permittee determines an effluent specific MDL, the permittee shall send to this Office a report containing QA/QC documentation, analytical results, and calculations necessary to demonstrate that the effluent specific MDL was correctly calculated. An effluent specific minimum quantification level (MQL) shall be determined in accordance with the following calculation:

 $MQL = 3.3 \times MDL$ 

Upon written approval by this Office, the effluent specific MQL may be utilized by the permittee for all future Discharge Monitoring Report (DMR) calculations and reporting requirements.

#### L. PERMIT REOPENER CLAUSE

In accordance with LAC 33:IX.2903, this permit may be modified, or alternatively, revoked and reissued, to comply with any applicable effluent standard or limitations issued or approved under sections 301(b)(2)(c) and (D); 304(b)(2); and 307(a)(2) of the Clean Water Act, if the effluent standard or limitations so issued or approved:

- 1. Contains different conditions or is otherwise more stringent than any effluent limitation in the permit; or
- 2. Controls any pollutant not limited in the permit; or
- 3. Require reassessment due to change in 303(d) status of waterbody; or
- 4. Incorporates the results of any total maximum daily load allocation, which may be approved for the receiving water body.

The Louisiana Department of Environmental Quality (LDEQ) reserves the right to impose more stringent discharge limitations and/or additional restrictions in the future to maintain the water quality integrity and the designated uses of the receiving water bodies based upon additional water quality studies and/or TMDL's The LDEQ also reserves the right to modify or revoke and reissue this permit based upon any changes to established TMDL's for this discharge, or to accommodate for pollutant trading provisions in approved TMDL watersheds as necessary to achieve compliance with water quality standards. Therefore, prior to upgrading or expanding this facility, the permittee should contact the Department to determine the status of the work being done to establish future effluent limitations and additional permit conditions.

M. Bulk Chemicals allowed to be stored at the facility are as follows: See Appendix A

No bulk chemicals other than those listed in Appendix A shall be handled at the facility without prior written notification to the Office of Environmental Services Permits Division. The permittee must submit written notification fully describing (1) the additional product(s) to be handled and stored, including the trade name(s), applicable chemical name(s), chemical abstract system (CAS) number(s), and the material safety data sheet(s) for each additional product; (2) the anticipated maximum volumes of each additional product to be handled and stored; and (3) the anticipated time frame during which the additional products(s) are to be handled and stored.

N. The following specified parameters must be monitored once during each month in which the outfall could potentially be affected by the handling/storing commodities and/or treatment of offsite wastewater containing

Page 9 of 16 Permit No. Draft LA0114405 AI No. 87738

# OTHER REQUIREMENTS (continued)

one or more of the specified chemicals, and once a month for two months thereafter (i.e., if a commodity containing one or more of the specified chemicals is handled and/or stored within the tank farm, monitor for the specified parameter at the outfall for the respective tank farm once during each month in which the specified chemical is handled and/or stored within that tank farm and continue to monitor once per month for two months after the commodity is no longer handled and/or stored within that tank farm). If the effluent limitation is exceeded during either of these two additional monitoring periods, then monitoring shall continue once per month until the limit is met for two consecutive months at which time monitoring for this parameter shall cease.

Commodity Handled and/or Stored	Parameter(s) To Be Monitored
Any commodity that contains liquid or gaseous hydrocarbons	Total BTEX, Benzene, Lead
Commodity Handled and/or Stored	Parameter(s) To Be Monitored
Any commodity that contains any phenolic compound	Total Phenols

## Commodity Handled and/or Stored

Parameter(s) To Be Monitored

Any commodity handled and/or stored that contains one or more of the following chemicals, the respective chemical(s) shall be monitored

Monitoring shall be conducted as follows:

# **METALS AND CYANIDE**

Antimony	Antimony
Arsenic	Arsenic
Beryllium	Beryllium
Cadmium	Cadmium
Chromium	Chromium
Copper	Copper
Lead	Lead
Mercury	Mercury
Nickel	Nickel
Selenium	Selenium
Silver	Silver
Thallium	Thallium
Zinc	Zinc
Cyanide	Cyanide

Page 10 of 16 Permit No. Draft LA0114405

Al No. 87738

#### OTHER REQUIREMENTS (continued)

# **VOLATILE COMPOUNDS**

Acrolein Acrylonitrile

Benzene

Bromoform

Carbon Tetrachloride

Chlorobenzene

Chlorodibromomethane

Chloroethane

2-Chloroethyl Vinyl Ether

Chloroform

Dichlorobromomethane

1,1-Dichloroethane

1,2-Dichloroethane

1,1-Dichloroethylene

1,2-Dichloropropane

1,3-Dichloropropylene

Ethylebenzene

Methyl Bromide

Methyl Chloride

Methylene Chloride

1,1,2,2-Tetra-Chloroethane

Tetrachloroethylene

Toluene

1-2-Trans-Dichloroethylene

1,1,1-Trichloroethane

1,1,2-Trichloroethane

Trichlorethylene

Vinyl Chloride

Acrolein Acrylonitrile

Benzene Bromoform

Carbon Tetrachloride

\_\_\_\_

Chlorobenzene

Chlorodibromomethane

Chloroethane

2-Chloroethyl vinyl ether

Chloroform

Dichlorobromomethane

1,1-Dichloroethane

1,2-Dichloroethane

1,1-Dichloroethylene

1,2-Dichloropropane

1,3-Dichloropropylene

Ethylebenzene

Methyl Bromide

Methyl Chloride

Methylene Chloride

1,1,2,2-Tetra-Chloroethane

Tetrachloroethylene

Toluene

1-2-Trans-Dichloroethylene

1,1,1-Trichloroethane

1,1,2-Trichloroethane

Trichlorethylene

Vinyl Chloride

#### ACID COMPOUNDS

Phenol

2-Nitrophenol

4-Nitrophenol

2,4-Dinitrophenol

4,6-Dinitro-o-Cresol

P-Chloro-M-Cresol

Pentachlorophenol

2-Chlorophenol

2,4-Dichlorophenol

Phenol

2-Nitrophenol

4-Nitrophenol

2,4-Dinitrophenol

4.6-Dinitro-o-Cresol

P-Chloro-M-Cresol

I -CIIIOIO-IVI CICSO

Pentachlorophenol

2-Chlorophenol

2,4-Dichlorophenol

Page 11 of 16 Permit No. Draft LA0114405 AI No. 87738

# OTHER REQUIREMENTS (continued)

2,4,6-Trichlorophenol 2,4-Dimethylphenol

2,4,6-Trichlorophenol 2,4-Dimethylphenol

## BASE/NEUTRAL COMPOUNDS

1,2-Dichlorobenzene

1,2-Diphenylhydrazine

1,2,4-Trichlorobenzene

1,3-Dichlorobenzene

1,4-Dichlorobenzene

2-Chloronaphthalene

2,4-Dinitrotoluene

2.6-Dinitrotoluene

3,3-Dichlorobenzidine

3,4-Benzofluoranthene

4-Bromophenyl Phenyl Ether

4-Chlorophenyl Phenyl Ether

Acenaphthene

Acenaphthylene

Anthracene

Benzidine

Benzo (a) Anthracene

Benzo (a) Pyrene

Benzo, (g,h,i) Perylene

Benzo (k) Fluoranthene

Bis (2-Chloroethoxy) Methane

Bis (2-Chloroethyl) Ether

Bis (2-Chloroisopropyl) Ether

Bis (2-Ethylhexyl) Phthalate

Butyl Benzyl Phthalate

Chrysene

Dibenzo (a,h) Anthracene

Diethyl Phthalate

Dimethyl Phthalate

Di-N-Butyl Phthalate

Di-N-Octyl Phthalate

Fluoranthene

Fluorene

Hexachlorobenzene

Hexachlorobutadiene

Hexachlorocyclopentadiene

Hexachloroethane

1,2-Dichlorobenzene

1,2-Diphenylhydrazine

1,2,4-Trichlorobenzene

1,3-Dichlorobenzene

1.4-Dichlorobenzene

2-Chloronaphthalene

2,4-Dinitrotoluene

2,6-Dinitrotoluene

3,3-Dichlorobenzidine

3,4-Benzofluoranthene

4-Bromophenyl Phenyl Ether

4-Chlorophenyl Phenyl Ether

Acenaphthene

Acenaphthylene

Anthracene

Benzidine

Benzo (a) Anthracene

Benzo (a) Pyrene

Benzo, (g,h,i) Perylene

Benzo (k) Fluoranthene

Bis (2-Chloroethoxy) Methane

Bis (2-Chloroethyl) Ether

Bis (2-Chloroisopropyl) Ether

Bis (2-Ethylhexyl) Phthalate

Butyl Benzyl Phthalate

Chrysene

Dibenzo (a,h) Anthracene

Diethyl Phthalate

Dimethyl Phthalate

Di-N-Butyl Phthalate

Di-N-Octyl Phthalate

Fluoranthene

Fluorene

Hexachlorobenzene

Hexachlorobutadiene

Hexachlorocyclopentadiene

Hexachloroethane

Page 12 of 16

Permit No. Draft LA0114405

PCB-1016

AI No. 87738

#### OTHER REQUIREMENTS (continued)

Ideno (1,2,3-c,d) Pyrene Ideno (1,2,3-c,d) Pyrene

IsophoroneIsophoroneNaphthaleneNaphthaleneNitrobenzeneNitrobenzene

N-Nitrosodimethylamine
N-Nitrosodin-propylamine
N-Nitrosodi-n-propylamine
N-Nitrosodiphenylamine
N-Nitrosodiphenylamine

Phenanthrene Pyrene Pyrene Pyrene

#### PESTICIDES/HERBICIDES

PCB-1016

Alpha-Endosulfan Alpha-Endosulfan
Beta-Endosulfan Beta-Endosulfan
Endosulfan Sulfate Endosulfan Sulfate

Aldrin Aldrin Alpha-BHC Alpha-BHC Beta-BHC Beta-BHC Gamma-BHC Gamma-BHC Delta-BHC Delta-BHC Dieldrin Dieldrin 4,4'-DDE 4,4'-DDE 4,4'-DDD 4,4'-DDD

4,4'-DDT4,4'-DDTHeptachlorHeptachlorEndrin AldehydyeEndrin AldehydyeHeptachlor EpoxideHeptachlor Epoxide

Chlordane Chlordane Toxaphene Toxaphene PCB-1242 PCB-1242 PCB-1254 PCB-1254 PCB-1221 PCB-1221 PCB-1232 PCB-1232 PCB-1248 PCB-1248 PCB-1260 PCB-1260

2,3,7,8-TCDD (Dioxin) 2,3,7,8-TCDD (Dioxin)

Endrin Endrin

A list of commodities handled and/or stored shall be submitted with the Discharge Monitoring Report (DMR) either in the COMMENTS section or as an attachment. According to Paragraph Q of Part II, DMRs shall be submitted to LDEQ quarterly. For monthly monitoring, one DMR for each month shall be included. Therefore, each set of DMRs submitted should indicate the commodities stored and/or handled since the last time monitoring occurred.

Page 13 of 16 Permit No. Draft LA0114405 Al No. 87738

#### OTHER REQUIREMENTS (continued)

# O. Prohibition of PCB Discharges

There shall be no discharge of polychlorinated biphenyls (PCBs). The minimum quantification level for PCBs is 1.0 ug/L. If any individual analytical test result for PCBs is less than the minimum quantification level, then a value of zero (0) shall be used for the Discharge Monitoring Report (DMR) calculations and reporting requirements.

# P. STORMWATER DISCHARGES

- This section applies to all stormwater discharges from the facility, either through permitted outfalls or through outfalls which are not listed in the permit or as sheet flow. The purpose of the pollution prevention plan is to identify potential sources of pollution that would reasonably be expected to affect the quality of stormwater and identify the practices that will be used to prevent or reduce the pollutants in stormwater discharges.
- 2. Any runoff leaving the developed areas of the facility, other than the permitted outfall(s), exceeding 50 mg/L TOC, 15 mg/L Oil and Grease, or having a pH less than 6.0 or greater than 9.0 standard units shall be a violation of this permit. Any discharge in excess of these limitations, which is attributable to offsite contamination shall not be considered a violation of this permit. A visual inspection of the facility shall be conducted and a report made annually as described in Paragraph 4 below.
- 3. The permittee shall prepare, implement, and maintain a Storm Water Pollution Prevention Plan (SWP3) within six (6) months of the effective date of the final permit. The terms and conditions of the SWP3 shall be an enforceable Part of the permit. If the permittee maintains other plans that contain duplicative information, those plans could be incorporated by reference into the SWP3. Examples of these type plans include, but are not limited to: Spill Prevention Control and Countermeasure Plan (SPCC), Best Management Plan (BMP), Response Plans, etc. EPA document 833-R-92-006 (Storm Water Management for Industrial Activities) may be used as a guidance and may be obtained by writing to the Water Resource Center (RC\_4100), U.S. Environmental Protection Agency, 1200 Pennsylvania Avenue NW, Washington D.C. 20460 or by calling (202) 566-1729 or via the Wetlands Helpline (800) 832-7828.
- 4. The following conditions are applicable to all facilities and shall be included in the SWP3 for the facility.
  - a. The permittee shall conduct an annual inspection of the facility site to identify areas contributing to the storm water discharge from developed areas of the facility and evaluate whether measures to reduce pollutant loadings identified in the SWP3 are adequate and have been properly implemented in accordance with the terms of the permit or whether additional control measures are needed.
  - b. The permittee shall develop a site map which includes all areas where stormwater may contact potential pollutants or substances which can cause pollution. Any location where reportable quantities leaks or spills have previously occurred are to be documented in the SWP3. The SWP3 shall contain a description of the potential pollutant sources, including, the type and quantity of material present and what action has been taken to assure stormwater precipitation will not directly contact the substances and result in contaminated runoff.
  - c. Where experience indicates a reasonable potential for equipment failure (e.g. a tank overflow or leakage), natural condition of (e.g. precipitation), or other circumstances which result in significant amounts of pollutants reaching surface waters, the SWP3 should include a prediction of the

Page 14 of 16 Permit No. Draft LA0114405 AI No. 87738

# OTHER REQUIREMENTS (continued)

direction, rate of flow and total quantity of pollutants which could be discharged from the facility as a result of each condition or circumstance.

- d. The permittee shall maintain for a period of three years a record summarizing the results of the inspection and a certification that the facility is in compliance with the SWP3, and identifying any incidents of noncompliance. The summary report should contain, at a minimum, the date and time of inspection, name of inspector(s), conditions found, and changes to be made to the SWP3.
- e. The summary report and the following certification shall be signed in accordance with LAC 33:IX.2503. The summary report is to be attached to the SWP3 and provided to the Department upon request.

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

Signatory requirements for the certification may be found in Part III, Section D.10 of this permit.

- f. The permittee shall make available to the Department, upon request, a copy of the SWP3 and any supporting documentation.
- 5. The following shall be included in the SWP3, if applicable.
  - a. The permittee shall utilize all reasonable methods to minimize any adverse impact on the drainage system including but not limited to:
    - i. maintaining adequate roads and driveway surfaces;
    - ii. removing debris and accumulated solids from the drainage system; and
    - iii. cleaning up immediately any spill by sweeping, absorbent pads, or other appropriate methods.
  - b. All spilled product and other spilled wastes shall be immediately cleaned up and disposed of according to all applicable regulations, Spill Prevention and Control (SPC) plans or Spill Prevention Control and Countermeasures (SPCC) plans. Use of detergents, emulsifiers, or dispersants to clean up spilled product is prohibited except where necessary to comply with State or Federal safety regulations (i.e., requirement for non-slippery work surface) except where the cleanup practice does not result in a discharge and does not leave residues exposed to future storm events. In all such cases, initial cleanup shall be done by physical removal and chemical usage shall be minimized.
  - c. All equipment, parts, dumpsters, trash bins, petroleum products, chemical solvents, detergents, or other materials exposed to stormwater shall be maintained in a manner which prevents contamination of stormwater by pollutants.

Page 15 of 16
Permit No. Draft LA0114405
AI No. 87738

# OTHER REQUIREMENTS (continued)

- d. All waste fuel, lubricants, coolants, solvents, or other fluids used in the repair or maintenance of vehicles or equipment shall be recycled or contained for proper disposal. Spills of these materials are to be cleaned up by dry means whenever possible.
- e. If applicable, all storage tank installations (with a capacity greater than 660 gallons for an individual container, or 1,320 gallons for two or more containers in aggregate within a common storage area) shall be constructed so that a secondary means of containment is provided for the entire contents of the largest tank plus sufficient freeboard to allow for precipitation. Diked areas should be sufficiently impervious to contain spills.
- f. All diked areas surrounding storage tanks or stormwater collection basins shall be free of residual oil or other contaminants so as to prevent the accidental discharge of these materials in the event of flooding, dike failure, or improper draining of the diked area. All drains from diked areas shall be equipped with valves which shall be kept in the closed condition except during periods of supervised discharge.
- g. All check valves, tanks, drains, or other potential sources of pollutant releases shall be inspected and maintained on a regular basis to assure their proper operation and to prevent the discharge of pollutants.
- h. The permittee shall assure compliance with all applicable regulations promulgated under the Louisiana Solid Waste and Resource Recovery Law and the Hazardous Waste Management Law (L.R.S. 30:2151, etc.). Management practices required under above regulations shall be referenced in the SWP3.
- i. The permittee shall amend the SWP3 whenever there is a change in the facility or change in the operation of the facility which materially increases the potential for the ancillary activities to result in a discharge of significant amounts of pollutants.
- j. If the SWP3 proves to be ineffective in achieving the general objectives of preventing the release of significant amounts of pollutants to water of the state, then the specific objectives and requirements of the SWP3 shall be subject to modification to incorporate revised SWP3 requirements.
- 6. Facility Specific SWP3 Conditions:

None

#### O. DISCHARGE MONITORING REPORTS

Monitoring results must be reported on a Discharge Monitoring Report (DMR) form (EPA No. 3320-1 or an approved substitute). All monitoring reports must be retained for a period of at least three (3) years from the date of the sample measurement. The permittee shall make available to this Department, upon request, copies of all monitoring data required by this permit.

If there is a no discharge event at any of the monitored outfall(s) during the reporting period, enter "No Discharge" in the upper right corner of the Discharge Monitoring Report.

Page 16 of 16 Permit No. Draft LA0114405 Al No. 87738

# OTHER REQUIREMENTS (continued)

Monitoring results for each month shall be summarized on a Discharge Monitoring Report (DMR) Form (one DMR form per monitoring period per outfall) and submitted to the Office of Environmental Compliance either hand delivered or postmarked no later than the 28<sup>th</sup> day of the month following the reporting period.

1. For parameters that require a monitoring frequency of quarterly or more frequent (ex: monthly, weekly, biweekly, bimonthly), DMRs shall be submitted in accordance with the following schedule:

Monitoring Period	DMR Postmark Date
January, February, March	April 28 <sup>th</sup>
April, May, June	July 28 <sup>th</sup>
July, August, September	October 28 <sup>th</sup>
October November December	January 28 <sup>th</sup>

2. For parameters that require a semiannual monitoring frequency, DMRs shall be submitted in accordance with the following schedule:

Monitoring Period	DMR Postmark Date	
January 1 – June 30	July 28 <sup>th</sup>	
July 1 - December 31	January 28 <sup>th</sup>	

3. For parameters that require an annual monitoring frequency, DMRs shall be submitted in accordance with the following schedule:

Monitoring Period	DMR Postmark Date
January 1 – December 31	January 28 <sup>th</sup>

Duplicate copies of DMR's (one set of originals and one set of copies) signed and certified as required by LAC 33:IX.2503, and any violations of the conditions of the permit as well as all other reports (one set of originals) required by this permit shall be submitted to the Permit Compliance Unit at the following addresses:

Department of Environmental Quality
Office of Environmental Compliance
Enforcement Division
Permit Compliance Unit
Post Office Box 4312
Baton Rouge, Louisiana 70821-4312

# PART III STANDARD CONDITIONS FOR LPDES PERMITS

# SECTION A. GENERAL CONDITIONS

#### 1. Introduction

In accordance with the provisions of LAC 33:IX.2701, et seq., this permit incorporates either expressly or by reference ALL conditions and requirements applicable to Louisiana Pollutant Discharge Elimination System Permits (LPDES) set forth in the Louisiana Environmental Quality Act (LEQA), as amended, as well as ALL applicable regulations.

# 2. Duty to Comply

The permittee must comply with all conditions of this permit. Any permit noncompliance constitutes a violation of the Clean Water Act (CWA) and the Louisiana Environmental Quality Act and is grounds for enforcement action; for permit termination, revocation and reissuance, or modification; or for denial of a permit renewal application.

#### 3. Penalties for Violation of Permit Conditions

- a. LA. R. S. 30:2025 provides for civil penalties for violations of these regulations and the Louisiana Environmental Quality Act. LA. R. S. 30:2076.2 provides for criminal penalties for violation of any provisions of the LPDES or any order or any permit condition or limitation issued under or implementing any provisions of the LPDES program. (See Section E. Penalties for Violation of Permit Conditions for additional details).
- b. Any person may be assessed an administrative penalty by the State Administrative Authority under LA. R. S. 30:2025 for violating a permit condition or limitation implementing any of the requirements of the LPDES program in a permit issued under the regulations or the Louisiana Environmental Quality Act.

#### 4. Toxic Pollutants

- a. Other effluent limitations and standards under Sections 301, 302, 303, 307, 318, and 405 of the Clean Water Act. If any applicable toxic effluent standard or prohibition (including any schedule of compliance specified in such effluent standard or prohibition) is promulgated under Section 307(a) of the Clean Water Act for a toxic pollutant and that standard or prohibition is more stringent than any limitation on the pollutant in this permit, the state administrative authority shall institute proceedings under these regulations to modify or revoke and reissue the permit to conform to the toxic effluent standard or prohibition.
- b. The permittee shall comply with effluent standards or prohibitions established under Section 307(a) of the Clean Water Act for toxic pollutants and with standards for sewage sludge use or disposal established under Section 405(d) of the Clean Water Act within the time provided in the regulations that establish these standards or prohibitions, or standards for sewage sludge use or disposal, even if the permit has not yet been modified to incorporate the requirement.

# 5. Duty to Reapply

a. Individual Permits. If the permittee wishes to continue an activity regulated by this permit after the expiration date of this permit, the permittee must apply for and obtain a new permit. The new application shall be submitted at least 180 days before the expiration date of the existing permit, unless permission for a later date has been granted by the state administrative authority. (The state administrative authority shall not grant permission for applications to be submitted later than the expiration date of the existing permit.) Continuation of expiring permits shall be governed by regulations promulgated at LAC 33:IX.2321 and any subsequent amendments.

Page 2 of 18

**REVISED 8/6/06** 

b. General Permits. General permits expire five years after the effective date. The 180-day reapplication period as defined above is not applicable to general permit authorizations. Reissued general permits may provide automatic coverage for permittees authorized under the previous version of the permit, and no new application is required. Requirements for obtaining authorization under the reissued general permit will be outlined in Part I of the new permit. Permittees authorized to discharge under an expiring general permit should follow the requirements for obtaining coverage under the new general permit to maintain discharge authorization.

# 6. Permit Action

This permit may be modified, revoked and reissued, or terminated for cause in accordance with LAC 33:IX.2903, 2905, 2907, 3105 and 6509. The causes may include, but are not limited to, the following:

- a. Noncompliance by the permittee with any condition of the permit;
- b. The permittee's failure in the application or during the permit issuance process to disclose fully all relevant f acts, or the permittee's misrepresentation of any relevant facts at any time;
- c. A determination that the permitted activity endangers human health or the environment and can only be regulated to acceptable levels by permit modification or termination;
- d. A change in any condition that requires either a temporary or a permanent reduction or elimination of any discharge; or
- e. Failure to pay applicable fees under the provisions of LAC 33: IX. Chapter 13;
- f. Change of ownership or operational control;

The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or a notification of planned changes or anticipated noncompliance does not stay any permit condition.

# 7. Property Rights

This permit does not convey any property rights of any sort, or any exclusive privilege.

## 8. <u>Duty to Provide Information</u>

The permittee shall furnish to the state administrative authority, within a reasonable time, any information which the state administrative authority may request to determine whether cause exists for modifying, revoking and reissuing, or terminating this permit, or to determine compliance with this permit. The permittee shall also furnish to the state administrative authority, upon request, copies of records required to be kept by this permit.

# 9. Criminal and Civil Liability

Except as provided in permit conditions on "Bypassing" and "Upsets", nothing in this permit shall be construed to relieve the permittee from civil or criminal penalties for noncompliance. Any false or materially misleading representation or concealment of information required to be reported by the provisions of the permit, the Act, or applicable regulations, which avoids or effectively defeats the regulatory purpose of the Permit may subject the Permittee to criminal enforcement pursuant to La. R.S. 30:2025.

# 10. Oil and Hazardous Substance Liability

Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities, or penalties to which the permittee is or may be subject under Section 311 of the Clean Water Act.

# 11. State Laws

Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities, or penalties established pursuant to any applicable State law or regulation under authority preserved by Section 510 of the Clean Water Act.

#### REVISED 8/6/06

Page 3 of 18

# 12. Severability

If any provision of these rules and regulations, or the application thereof, is held to be invalid, the remaining provisions of these rules and regulations shall not be affected, so long as they can be given effect without the invalid provision. To this end, the provisions of these rules and regulations are declared to be severable.

#### 13. Dilution

A permittee shall not achieve any effluent concentration by dilution unless specifically authorized in the permit. A permittee shall not increase the use of process water or cooling water or otherwise attempt to dilute a discharge as a partial or complete substitute for adequate treatment to achieve permit limitations or water quality.

# SECTION B. PROPER OPERATION AND MAINTENANCE

# 1. Need to Halt or Reduce not a Defense

It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit.

# 2. Duty to Mitigate

The permittee shall take all reasonable steps to minimize or prevent any discharge in violation of this permit which has a reasonable likelihood of adversely affecting human health or the environment. The permittee shall also take all reasonable steps to minimize or correct any adverse impact on the environment resulting from noncompliance with the permit, including such accelerated or additional monitoring as necessary to determine the nature and impact of the noncomplying discharge.

# 3. Proper Operation and Maintenance

- a. The permittee shall at all times properly operate and maintain all facilities and systems of treatment and control (and related appurtenances) which are installed or used by the permittee to achieve compliance with the conditions of this permit. Proper operation and maintenance also includes adequate laboratory controls and appropriate quality assurance procedures. This provision requires the operation of back-up or auxiliary facilities or similar systems which are installed by a permittee only when the operation is necessary to achieve compliance with the conditions of the permit.
- b. The permittee shall provide an adequate operating staff which is duly qualified to carry out operation, maintenance and other functions necessary to ensure compliance with the conditions of this permit.

#### 4. Bypass of Treatment Facilities

- a. Bypass. The intentional diversion of waste streams from any portion of a treatment facility.
- b. <u>Bypass not exceeding limitations</u>. The permittee may allow any bypass to occur which does not cause effluent limitations to be exceeded, but only if it also is for essential maintenance to assure efficient operation. These bypasses are not subject to the provisions of Section B.4.c. and 4.d of these standard conditions.

# c. Notice

- (1) <u>Anticipated bypass</u>. If the permittee knows in advance of the need for a bypass, it shall submit prior notice to the Office of Environmental Services, Water Permits Division, if possible at least ten days before the date of the bypass.
- (2) <u>Unanticipated bypass</u>. The permittee shall submit notice of an unanticipated bypass as required in LAC 33:IX.2701.L.6, (24-hour notice) and Section D.6.e. of these standard conditions.

#### d. Prohibition of bypass

- (1) Bypass is prohibited, and the state administrative authority may take enforcement action against a permittee for bypass, unless:
  - (a) Bypass was unavoidable to prevent loss of life, personal injury, or severe property damage;
  - (b) There were no feasible alternatives to the bypass, such as the use of auxiliary treatment facilities, retention of untreated wastes, or maintenance during normal periods of equipment downtime. This condition is not satisfied if adequate back-up equipment should have been installed in the exercise of reasonable engineering judgment to prevent a bypass which occurred during normal periods of equipment downtime or preventive maintenance; and,
  - (c) The permittee submitted notices as required by Section B.4.c of these standard conditions.
- (2) The state administrative authority may approve an anticipated bypass after considering its adverse effects, if the state administrative authority determines that it will meet the three conditions listed in Section B.4.d(1) of these standard conditions.

#### 5. Upset Conditions

- a. <u>Upset</u>. An exceptional incident in which there is unintentional and temporary noncompliance with technology based permit effluent limitations because of factors beyond the reasonable control of the permittee. An upset does not include noncompliance to the extent caused by operational error, improperly designed treatment facilities, inadequate treatment facilities, lack of preventive maintenance, or careless or improper operation.
- b. <u>Effect of an upset</u>. An upset constitutes an affirmative defense to an action brought for noncompliance with such technology-based permit effluent limitations if the requirements of Section B.5.c. are met. No determination made during administrative review of claims that noncompliance was caused by upset, and before an action for noncompliance, is final administrative action subject to judicial review.
- c. <u>Conditions necessary for a demonstration of upset</u>. A permittee who wishes to establish the affirmative defense of upset shall demonstrate, through properly signed, contemporaneous operating logs, or other relevant evidence that:
  - An upset occurred and that the permittee can identify the cause(s) of the upset;
  - (2) The permitted facility was at the time being properly operated; and
  - (3) The permittee submitted notice of the upset as required by LAC 33:IX.2701.L.6.b.ii. and Section D.6.e.(2) of these standard conditions; and
  - (4) The permittee complied with any remedial measures required by Section B.2 of these standard conditions.
- d. <u>Burden of proof.</u> In any enforcement proceeding, the permittee seeking to establish the occurrence of an upset has the burden of proof.

#### 6. Removed Substances

Solids, sewage sludges, filter backwash, or other pollutants removed in the course of treatment or wastewater control shall be properly disposed of in a manner such as to prevent any pollutant from such materials from entering waters of the state and in accordance with environmental regulations.

#### 7. Percent Removal

For publicly owned treatment works, the 30-day average percent removal for Biochemical Oxygen Demand and Total Suspended Solids shall not be less than 85 percent in accordance with LAC 33:IX.5905.A.3. and B.3.

## SECTION C. MONITORING AND RECORDS

# 1. Inspection and Entry

The permittee shall allow the state administrative authority or an authorized representative (including an authorized contractor acting as a representative of the Administrator), upon the presentation of credentials and other documents as may be required by the law to:

a. Enter upon the permittee's premises where a regulated facility or activity is located or conducted, or where records must be kept under the conditions of this permit.

Enter upon the permittee's premises where a discharge source is or might be located or in which monitoring equipment or records required by a permit are kept for inspection or sampling purposes. Most inspections will be unannounced and should be allowed to begin immediately, but in no case shall begin more than thirty (30) minutes after the time the inspector presents his/her credentials and announces the purpose(s) of the inspection. Delay in excess of thirty (30) minutes shall constitute a violation of this permit. However, additional time can be granted if the inspector or the Administrative Authority determines that the circumstances warrant such action; and

- b. Have access to and copy, at reasonable times, any records that the department or its authorized representative determines are necessary for the enforcement of this permit. For records maintained in either a central or private office that is open only during normal office hours and is closed at the time of inspection, the records shall be made available as soon as the office is open, but in no case later than the close of business the next working day;
- c. Inspect at reasonable times any facilities, equipment (including monitoring and control equipment), practices, or operations regulated or required under this permit; and
- d. Sample or monitor at reasonable times, for the purposes of assuring permit compliance or as otherwise authorized by the Clean Water Act or the Louisiana Environmental Quality Act, any substances or parameters at any location.

# e. Sample Collection

- (1) When the inspector announces that samples will be collected, the permittee will be given an additional thirty (30) minutes to prepare containers in order to collect duplicates. If the permittee cannot obtain and prepare sample containers within this time, he is considered to have waived his right to collect duplicate samples and the sampling will proceed immediately. Further delay on the part of the permittee in allowing initiation of the sampling will constitute a violation of this permit.
- (2) At the discretion of the administrative authority, sample collection shall proceed immediately (without the additional 30 minutes described in Section C.1.a. above) and the inspector shall supply the permittee with a duplicate sample.
- f. It shall be the responsibility of the permittee to ensure that a facility representative familiar with provisions of its wastewater discharge permit, including any other conditions or limitations, be available either by phone or in person at the facility during all hours of operation. The absence of such personnel on-site who are familiar with the permit shall not be grounds for delaying the initiation of an inspection except in situations as described in Section C.1.b. of these standard conditions. The permittee shall be responsible for providing witnesses/escorts during inspections. Inspectors shall abide by all company safety rules and shall be equipped with standard safety equipment (hard hat, safety shoes, safety glasses) normally required by industrial facilities.

#### **REVISED 8/6/06**

g. Upon written request copies of field notes, drawings, etc., taken by department personnel during an inspection shall be provided to the permittee after the final inspection report has been completed.

# 2. Representative Sampling

Samples and measurements taken for the purpose of monitoring shall be representative of the monitored activity. All samples shall be taken at the outfall location(s) indicated in the permit. The state administrative authority shall be notified prior to any changes in the outfall location(s). Any changes in the outfall location(s) may be subject to modification, revocation and reissuance in accordance with LAC 33:IX.2903.

# 3. Retention of Records

Except for records of monitoring information required by this permit related to the permittee's sewage sludge use and disposal activities, which shall be retained for a period of at least five years (or longer as required by 40 CFR 503), the permittee shall retain records of all monitoring information, including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation, copies of all reports required by this permit, and records of all data used to complete the application for this permit, for a period of at least 3 years from the date of the sample, measurement, report, or application. This period may be extended by request of the state administrative authority at any time.

#### 4. Record Contents

Records of monitoring information shall include:

- a. The date, exact place, and time of sampling or measurements;
- b. The individual(s) who performed the sampling or measurements;
- c. The date(s) analyses were performed;
- d. The time(s) analyses were begun;
- e. The individual(s) who performed the analyses;
- f. The analytical techniques or methods used;
- g. The results of such analyses; and
- h. The results of all quality control procedures.

#### 5. Monitoring Procedures

- a. Monitoring results must be conducted according to test procedures approved under 40 CFR Part 136 (See LAC 33:IX.4901) or, in the case of sludge use or disposal, approved under 40 CFR part 136 (See LAC 33:IX.4901) unless otherwise specified in 40 CFR part 503, unless other test procedures have been specified in this permit. This includes procedures contained in the latest EPA approved edition of the following publications:
  - (1) "Standard Methods for the Examination of Water and Waste Water". This publication is available from the American Public Health Association, Publication Sales, P. O. Box 753, Waldorf, MD 20604-0573, Phone number (301) 893-1894, Fax number (301) 843-0159.
  - (2) "Annual Book of Standards, Vols 1101-1103, Water I, Water II, and Atmospheric Analysis". This publication is available from the American Society for Testing Materials, 100 Barr Harbor Drive, West Conshohocken, PA 19428-2959, Phone number (610) 832-9500.
  - (3) "Methods for Chemical Analysis of Water and Wastes, Revised, March 1983," U.S. Environmental Protection Agency, Analytical Quality Control Laboratory, Cincinnati, Ohio. This publication is available from the National Technical Information Service (NTIS), Springfield, VA 22161, Phone number (800) 553-6847. Order by NTIS publication number PB-84-128677.
- b. The permittee shall calibrate and perform maintenance procedures on all monitoring and analytical instruments at intervals frequent enough to insure accuracy of measurements and shall maintain appropriate records of such activities.

c. An adequate analytical quality control program, including the analyses of sufficient standards, spikes, and duplicate samples to insure the accuracy of all required analytical results shall be maintained by the permittee or designated commercial laboratory. General sampling protocol shall follow guidelines established in the "Handbook for Sampling and Sample Preservation of Water and Wastewater, 1982" U.S. Environmental Protection Agency. This publication is available from the National Technical Information Service (NTIS), Springfield, VA 22161, Phone number (800) 553-6847. Order by NTIS publication number PB-83-124503. General laboratory procedures including glassware cleaning, etc. can be found in the "Handbook for Analytical Quality Control in Water and Wastewater Laboratories, 1979," U.S. Environmental Protection Agency, Environmental Monitoring and Support Laboratory. This publication is available from the Environmental Protection Agency, Phone number (513) 569-7562. Order by EPA publication number EPA-600/4-79-019.

#### 6. Flow Measurements

Appropriate flow measurement devices and methods consistent with accepted scientific practices shall be selected and used to ensure the accuracy and reliability of measurements of the volume of monitored discharges. The devices shall be installed, calibrated, and maintained to insure that the accuracy of the measurements are consistent with the accepted capability of that type of device. Devices selected shall be capable of measuring flows with a maximum deviation of less than 10% from true discharge rates throughout the range of expected discharge volumes. Guidance in selection, installation, calibration and operation of acceptable flow measurement devices can be obtained from the following references:

- a. "A Guide to Methods and Standards for the Measurement of Water Flow, 1975," U.S. Department of Commerce, National Bureau of Standards. This publication is available from the National Technical Information Service (NTIS), Springfield, VA 22161, Phone number (800) 553-6847. Order by NTIS publication number COM-75-10683.
- b. "Flow Measurement in Open Channels and Closed Conduits, Volumes 1 and 2," U.S. Department of Commerce, National Bureau of Standards. This publication is available from the National Technical Service (NTIS), Springfield, VA, 22161, Phone number (800) 553-6847. Order by NTIS publication number PB-273 535.
- c. "NPDES Compliance Flow Measurement Manual," U.S. Environmental Protection Agency, Office of Water Enforcement. This publication is available from the National Technical Information Service (NTIS), Springfield, VA 22161, Phone number (800) 553-6847. Order by NTIS publication number PB-82-131178.

#### 7. Prohibition for Tampering: Penalties

- a. LA R.S. 30:2025 provides for punishment of any person who falsifies, tampers with, or knowingly renders inaccurate any monitoring device or method required to be maintained under this permit.
- b. LA R.S. 30:2076.2 provides for penalties for any person who knowingly makes any false statement, representation, or certification in any record or other document submitted or required to be maintained under this permit, including monitoring reports or reports of compliance or non compliance.

## 8. Additional Monitoring by the Permittee

If the Permittee monitors any pollutant more frequently than required by the permit using test procedures approved under 40 CFR Part 136 (See LAC 33:IX.4901) or, in the case of sludge use and disposal, approved under 40 CFR Part 136 (See LAC 33:IX.4901) unless otherwise specified in 40 CFR Part 503, or as specified in the permit, the results of this monitoring shall be included in the calculation and reporting of the data submitted in the DMR or sludge reporting form specified by the state administrative authority.

# 9. Averaging of Measurements

Calculations for all limitations which require averaging of measurements shall utilize an arithmetic mean unless otherwise specified by the state administrative authority in the permit.

#### REVISED 8/6/06

# 10. Laboratory Accreditation

- a. LAC 33:I.Subpart 3, Chapters 45-59 provide requirements for an accreditation program specifically applicable to commercial laboratories, wherever located, that provide chemical analyses, analytical results, or other test data to the department, by contract or by agreement, and the data is:
  - (1) Submitted on behalf of any facility, as defined in R.S.30:2004;
  - (2) Required as part of any permit application;
  - (3) Required by order of the department;
  - (4) Required to be included on any monitoring reports submitted to the department;
  - (5) Required to be submitted by contractor
  - (6) Otherwise required by department regulations.
- b. The department laboratory accreditation program is designed to ensure the accuracy, precision, and reliability of the data generated, as well as the use of department-approved methodologies in generation of that data. Laboratory data generated by commercial environmental laboratories that are not accredited under these regulations will not be accepted by the department. Retesting of analysis will be required by an accredited commercial laboratory.

Where retesting of effluent is not possible (i.e. data reported on DMRs for prior month's sampling), the data generated will be considered invalid and in violation of the LPDES permit.

c. Regulations on the Environmental Laboratory Accreditation Program and a list of labs that have applied for accreditation are available on the department website located at:

http://www.deq.state.la.us/laboratory/index.htm.

Questions concerning the program may be directed to (225) 765-0582.

# SECTION D. REPORTING REQUIREMENTS

# 1. Facility Changes

The permittee shall give notice to the state administrative authority as soon as possible of any planned physical alterations or additions to the permitted facility. Notice is required only when:

- a. The alteration or addition to a permitted facility may meet one of the criteria for determining whether a facility is a new source in 40 CFR 122.29(b), or
- b. The alteration or addition could significantly change the nature or increase the quantity of pollutants discharged. This notification applies to pollutants which are subject neither to effluent limitations in the permit, nor to notification requirements under LAC 33:1X.2703.A.1.
- c. <u>For Municipal Permits</u>. Any new introduction of pollutants into the POTW from an indirect discharger which would be subject to Section 301, or 306 of the CWA if it were directly discharging those pollutants; and any substantial change in the volume or character of pollutants being introduced into that POTW by a source introducing pollutants into the POTW at the time of issuance of the permit. In no case are any new connections, increased flows, or significant changes in influent quality permitted that will cause violation of the effluent limitations specified herein.

#### 2. Anticipated Noncompliance

The permittee shall give advance notice to the state administrative authority of any planned changes in the permitted facility or activity which may result in noncompliance with permit requirements.

### 3. Transfers

This permit is not transferable to any person except after notice to the state administrative authority. The state administrative authority may require modification or revocation and reissuance of the permit to change the name of the permittee and incorporate such other requirements as may be necessary under the Clean Water Act or the Louisiana Environmental Quality Act. (See LAC 33:IX.2901; in some cases, modification or revocation and reissuance is mandatory.)

A permit may be transferred by the permittee to a new owner or operator only if the permit has been modified or revoked and reissued (under LAC 33:IX.2903. A.2.b), or a minor modification made (under LAC 33:IX.2905) to identify the new permittee and incorporate such other requirements as may be necessary under the Clean Water Act and the Louisiana Environmental Quality Act.

## 4. Monitoring Reports

Monitoring results shall be reported at the intervals and in the form specified in Part I or Part II of this permit.

The permittee shall submit properly completed Discharge Monitoring Reports (DMRs) on the form specified in the permit. Preprinted DMRs are provided to majors/92-500's and other designated facilities. Please contact the Permit Compliance Unit concerning preprints. Self-generated DMRs must be pre-approved by the Permit Compliance Unit prior to submittal. Self-generated DMRs are approved on an individual basis. Requests for approval of self-generated DMRs should be submitted to:

Supervisor, Permit Compliance Unit Office of Environmental Compliance Post Office Box 4312 Baton Rouge, LA 70821-4312

Copies of blank DMR templates, plus instructions for completing them, and EPA's LPDES Reporting Handbook are available at the department website located at:

### http://www.deg.louisiana.gov/portal/Default.aspx?tabid=2276

#### 5. Compliance Schedules

Reports of compliance or noncompliance with, or any progress reports on, interim and final requirements contained in any compliance schedule of this permit shall be submitted no later than 14 days following each schedule date.

#### 6. Requirements for Notification

#### a. Emergency Notification

As required by LAC 33.1.3915, in the event of an unauthorized discharge that does cause an emergency condition, the discharger shall notify the hotline (DPS 24-hour Louisiana Emergency Hazardous Materials Hotline) by telephone at (225) 925-6595 (collect calls accepted 24 hours a day) immediately (a reasonable period of time after taking prompt measures to determine the nature, quantity, and potential off-site impact of a release, considering the exigency of the circumstances), but in no case later than one hour after learning of the discharge. (An emergency condition is any condition which could reasonably be expected to endanger the health and safety of the public, cause significant adverse impact to the land, water, or air environment, or cause severe damage to property.) Notification required by this section will be made regardless of the amount of discharge. Prompt Notification Procedures are listed in Section D.6.c. of these standard conditions.

A written report shall be provided within seven calendar days after the notification. The report shall contain the information listed in Section D.6.d. of these standard conditions and any additional information in LAC 33:1.3925.B.

b. Prompt Notification

As required by LAC 33:I.3917, in the event of an unauthorized discharge that exceeds a reportable quantity specified in LAC 33:I.Subchapter E, but does not cause an emergency condition, the discharger shall promptly notify the department within 24 hours after learning of the discharge. Notification should be made to the Office of Environmental Compliance, Surveillance Division Single Point of Contact (SPOC) in accordance with LAC 33:I.3923.

In accordance with LAC 33:1.3923, prompt notification shall be provided within a time frame not to exceed 24 hours and shall be given to the Office of Environmental Compliance, Surveillance Division Single Point of Contact (SPOC) as follows:

(1) by the Online Incident Reporting screens found at http://www3.deq.louisiana.gov/surveillance/irf/forms/; or

(2) by e-mail utilizing the Incident Report Form and instructions found at <a href="http://www.deq.louisiana.gov/portal/Default.aspx?tabid=279">http://www.deq.louisiana.gov/portal/Default.aspx?tabid=279</a>;or

(3) by telephone at (225) 219-3640 during office hours, or (225) 342-1234 after hours and on weekends and holidays.

- c. <u>Content of Prompt Notifications</u>. The following guidelines will be utilized as appropriate, based on the conditions and circumstances surrounding any unauthorized discharge, to provide relevant information regarding the nature of the discharge:
  - (1) the name of the person making the notification and the telephone number where any return calls from response agencies can be placed;
  - (2) the name and location of the facility or site where the unauthorized discharge is imminent or has occurred, using common landmarks. In the event of an incident involving transport, include the name and address of the transporter and generator;
  - (3) the date and time the incident began and ended, or the estimated time of continuation if the discharge is continuing;
  - (4) the extent of any injuries and identification of any known personnel hazards that response agencies may face;
  - (5) the common or scientific chemical name, the U.S. Department of Transportation hazard classification, and the best estimate of amounts of any and all discharged pollutants;
  - (6) a brief description of the incident sufficient to allow response agencies to formulate their level and extent of response activity.
- d. Written Notification Procedures. Written reports for any unauthorized discharge that requires notification under Section D.6.a. or 6.b., or shall be submitted by the discharger to the Office of Environmental Compliance, Surveillance Division SPOC in accordance with LAC 33:IX.3925 within seven calendar days after the notification required by D.6.a. or 6.b., unless otherwise provided for in a valid permit or other department regulation. Written notification reports shall include, but not be limited to, the following information:
  - (1) the name, address, telephone number, Agency Interest (AI) number (number assigned by the department) if applicable, and any other applicable identification numbers of the person, company, or other party who is filing the written report, and specific identification that the report is the written follow-up report required by this section;
  - (2) the time and date of prompt notification, the state official contacted when reporting, the name of person making that notification, and identification of the site or facility, vessel, transport vehicle, or storage area from which the unauthorized discharge occurred;

- (3) date(s), time(s), and duration of the unauthorized discharge and, if not corrected, the anticipated time it is expected to continue;
- (4) details of the circumstances (unauthorized discharge description and root cause) and events leading to any unauthorized discharge, including incidents of loss of sources of radiation, and if the release point is subject to a permit:
  - (a) the current permitted limit for the pollutant(s) released; and
  - (b) the permitted release point/outfall ID.
- (5) the common or scientific chemical name of each specific pollutant that was released as the result of an unauthorized discharge, including the CAS number and U.S. Department of Transportation hazard classification, and the best estimate of amounts of any and all released pollutants (total amount of each compound expressed in pounds, including calculations);
- (6) a statement of the actual or probable fate or disposition of the pollutant or source of radiation and what off-site impact resulted;
- (7) remedial actions taken, or to be taken, to stop unauthorized discharges or to recover pollutants or sources of radiation.
- (8) Written notification reports shall be submitted to the Office of Environmental Compliance, Surveillance Division SPOC by mail or fax. The transmittal envelope and report or fax cover page and report should be clearly marked "UNAUTHORIZED DISCHARGE NOTIFICATION REPORT."

Please see LAC 33:1.3925.B for additional written notification procedures.

- e. <u>Twenty-four Hour Reporting.</u> The permittee shall report any noncompliance which may endanger human health or the environment. Any information shall be provided orally within 24 hours from the time the permittee becomes aware of the circumstances. A written submission shall also be provided within five days of the time the permittee becomes aware of the circumstances. The written submission shall contain a description of the noncompliance and its cause; the period of noncompliance, including exact dates and times, and if the noncompliance has not been corrected, the anticipated time it is expected to continue; and; steps taken or planned to reduce, eliminate, and prevent recurrence of the noncompliance. The following shall be included as information which must be reported within 24hours:
  - (1) Any unanticipated bypass which exceeds any effluent limitation in the permit (see LAC 33:IX.2701.M.3.b.);
  - (2) Any upset which exceeds any effluent limitation in the permit;
  - (3) Violation of a maximum daily discharge limitation for any of the pollutants listed by the state administrative authority in Part II of the permit to be reported within 24 hours (LAC 33:IX.2707.G.).

#### 7. Other Noncompliance

The permittee shall report all instances of noncompliance not reported under Section D.4., 5., and 6., at the time monitoring reports are submitted. The reports shall contain the information listed in Section D.6.e.

### 8. Other Information

Where the permittee becomes aware that it failed to submit any relevant facts in a permit application, or submitted incorrect information in a permit application or in any report to the state administrative authority, it shall promptly submit such facts or information.

### **REVISED 8/6/06**

9. Discharges of Toxic Substances

In addition to the reporting requirements under Section D.1-8, all existing manufacturing, commercial, mining, and silvicultural dischargers must notify the Office of Environmental Services, Water Permits Division as soon as they know or have reason to believe:

- a. That any activity has occurred or will occur which would result in the discharge, on a routine or frequent basis, of any toxic pollutant:
  - i. listed at LAC 33:IX.7107, Tables II and III (excluding Total Phenols) which is not limited in the permit, if that discharge will exceed the highest of the following notification levels:
    - (1) One hundred micrograms per liter (100 µg/L);
    - (2) Two hundred micrograms per liter (200 µg/L) for acrolein and acrylonitrile; five hundred micrograms per liter (500 µg/L) for 2,4 -dinitro-phenol and for 2-methyl-4,6-dinitrophenol; and one milligram per liter (1 mg/L) for antimony;
    - (3) Five (5) times the maximum concentration value reported for that pollutant in the permit application in accordance with LAC33:IX.2501.G.7; or
    - (4) The level established by the state administrative authority in accordance with LAC 33:IX.2707.F; or
  - which exceeds the reportable quantity levels for pollutants at LAC 33:1. Subchapter E.
- b. That any activity has occurred or will occur which would result in any discharge, on a non-routine or infrequent basis, of a toxic pollutant:
  - i. listed at LAC 33:IX.7107, Tables II and III (excluding Total Phenols) which is not limited in the permit, if that discharge will exceed the highest of the following "notification levels":
    - (1) Five hundred micrograms per liter (500 μg/L);
    - (2) One milligram per liter (1 mg/L) for antimony;
    - (3) Ten (10) times the maximum concentration value reported for that pollutant in the permit application in accordance with LAC 33:IX.2501.G.7; or
    - (4) The level established by the state administrative authority in accordance with LAC 33:IX.2707.F; or
  - ii. which exceeds the reportable quantity levels for pollutants at LAC 33:1. Subchapter E.

## 10. Signatory Requirements

All applications, reports, or information submitted to the state administrative authority shall be signed and certified.

- a. All permit applications shall be signed as follows:
  - (1) <u>For a corporation</u> by a responsible corporate officer. For the purpose of this section, a responsible corporate officer means:
    - (a) A president, secretary, treasurer, or vice-president of the corporation in charge of a principal business function, or any other person who performs similar policy or decision making functions for the corporation; or,
    - (b) The manager of one or more manufacturing, production, or operating facilities, provided: the manager is authorized to make management decisions that govern the operation of the regulated facility, including having the explicit or implicit duty of making major capital investment recommendations and initiating and directing other comprehensive measures to ensure long term environmental compliance with environmental laws and regulations; the manager can ensure that the necessary systems are established or actions taken to gather complete and

accurate information for permit application requirements; and the authority to sign documents has been assigned or delegated to the manager in accordance with corporate procedures.

<u>NOTE</u>: DEQ does not require specific assignments or delegations of authority to responsible corporate officers identified in Section D.10.a.(1)(a). The agency will presume that these responsible corporate officers have the requisite authority to sign permit applications unless the corporation has notified the state administrative authority to the contrary. Corporate procedures governing authority to sign permit applications may provide for assignment or delegation to applicable corporate positions under Section D.10.a.(1)(b) rather than to specific individuals.

- (2) For a partnership or sole proprietorship by a general partner or the proprietor, respectively; or
- (3) For a municipality, state, federal, or other public agency by either a principal executive officer or ranking elected official. For purposes of this section, a principal executive officer of a federal agency includes:
  - (a) The chief executive officer of the agency, or
  - (b) A senior executive officer having responsibility for the overall operations of a principal geographic unit of the agency (e.g., Regional Administrators of EPA).
- b. All reports required by permits and other information requested by the state administrative authority shall be signed by a person described in Section D.10.a., or by a duly authorized representative of that person. A person is a duly authorized representative only if:
  - (1) The authorization is made in writing by a person described in Section D.10.a. of these standard conditions:
  - (2) The authorization specifies either an individual or a position having responsibility for the overall operation of the regulated facility or activity such as the position of plant manager, operator of a well or a well field, superintendent, position of equivalent responsibility, or an individual or position having overall responsibility for environmental matters for the company, (a duly authorized representative may thus be either a named individual or an individual occupying a named position; and
  - (3) The written authorization is submitted to the state administrative authority.
- c. <u>Changes to authorization</u>. If an authorization under Section D.10.b. is no longer accurate because a different individual or position has responsibility for the overall operation of the facility, a new authorization satisfying the requirements of Section D.10.b. must be submitted to the state administrative authority prior to or together with any reports, information, or applications to be signed by an authorized representative.
- d. <u>Certification</u>. Any person signing a document under Section D.10. a. or b. above, shall make the following certification:

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

11. Availability of Reports

All recorded information (completed permit application forms, fact sheets, draft permits, or any public document) not classified as confidential information under R.S. 30:2030(A) and 30:2074(D) and designated as such in accordance with these regulations (LAC 33:IX.2323 and LAC 33:IX.6503) shall be made available to the public for inspection and copying during normal working hours in accordance with the Public Records Act, R.S. 44:1 et seq.

Page 14 of 18

#### **REVISED 8/6/06**

Claims of confidentiality for the following will be denied:

- a. The name and address of any permit applicant or permittee;
- b. Permit applications, permits, and effluent data.
- c. Information required by LPDES application forms provided by the state administrative authority under LAC 33:IX.2501 may not be claimed confidential. This includes information submitted on the forms themselves and any attachments used to supply information required by the forms.

#### SECTION E. PENALTIES FOR VIOLATIONS OF PERMIT CONDITION

#### Criminal

## a. Negligent Violations

The Louisiana Revised Statutes LA. R. S. 30:2076.2 provides that any person who negligently violates any provision of the LPDES, or any order issued by the secretary under the LPDES, or any permit condition or limitation implementing any such provision in a permit issued under the LPDES by the secretary, or any requirement imposed in a pretreatment program approved under the LPDES is subject to a fine of not less than \$2,500 nor more than \$25,000 per day of violation, or by imprisonment for not more than 1 year, or both. If a conviction of a person is for a violation committed after a first conviction of such person, he shall be subject to a fine of not more than \$50,000 per day of violation, or imprisonment of not more than two years, or both.

#### b. Knowing Violations

The Louisiana Revised Statutes LA. R. S. 30:2076.2 provides that any person who knowingly violates any provision of the LPDES, or any permit condition or limitation implementing any such provisions in a permit issued under the LPDES, or any requirement imposed in a pretreatment program approved under the LPDES is subject to a fine of not less than \$5,000 nor more than \$50,000 per day of violation, or imprisonment for not more than 3 years, or both. If a conviction of a person is for a violation committed after a first conviction of such person, he shall be subject to a fine of not more than \$100,000 per day of violation, or imprisonment of not more than six years, or both.

#### c. Knowing Endangerment

The Louisiana Revised Statutes LA. R. S. 30:2076.2 provides that any person who knowingly violates any provision of the LPDES, or any order issued by the secretary under the LPDES, or any permit condition or limitation implementing any of such provisions in a permit issued under the LPDES by the secretary, and who knows at that time that he thereby places another person in imminent danger of death or serious bodily injury, shall, upon conviction, be subject to a fine of not more than \$250,000, or by imprisonment for not more than 15 years, or both. A person which is an organization shall, upon conviction of violating this Paragraph, be subject to a fine of not more than one million dollars. If a conviction of a person is for a violation committed after a first conviction of such person under this Paragraph, the maximum punishment shall be doubled with respect to both fine and imprisonment.

#### d. False Statements

The Louisiana Revised Statutes LA. R. S. 30:2076.2 provides that any person who knowingly makes any false material statement, representation, or certification in any application, record, report, plan, or other document filed or required to be maintained under the LPDES or who knowingly falsifies, tampers with, or renders inaccurate, any monitoring device or method required to be maintained under the LPDES, shall, upon conviction, be subject to a fine of not more than \$10,000, or imprisonment for not more than 2 years, or both. If a conviction of a person is for a violation committed after a first conviction of such person under this Subsection, he shall be subject to a fine of not more than \$20,000 per day of violation, or imprisonment of not more than 4 years, or both.

**REVISED 8/6/06** 

Page 15 of 18

## 2. Civil Penalties

The Louisiana Revised Statutes LA. R. S. 30:2025 provides that any person found to be in violation of any requirement of this Subtitle may be liable for a civil penalty, to be assessed by the secretary, an assistant secretary, or the court, of not more than the cost to the state of any response action made necessary by such violation which is not voluntarily paid by the violator, and a penalty of not more than \$32,500 for each day of violation. However, when any such violation is done intentionally, willfully, or knowingly, or results in a discharge or disposal which causes irreparable or severe damage to the environment or if the substance discharged is one which endangers human life or health, such person may be liable for an additional penalty of not more than one million dollars.

(PLEASE NOTE: These penalties are listed in their entirety in Subtitle II of Title 30 of the Louisiana Revised Statutes.)

## SECTION F. DEFINITIONS

All definitions contained in Section 502 of the Clean Water Act shall apply to this permit and are incorporated herein by reference. Additional definitions of words or phrases used in this permit are as follows:

- Clean Water Act (CWA) means the Clean Water Act (formerly referred to as the Federal Water Pollution Control Act or the Federal Water Pollution Control Act Amendments of 1972) Pub.L.92-500, as amended by Pub.L. 95-217, Pub.L. 95-576, Pub.L. 96-483 and Pub.L. 97-117, 33 U.S.C. 1251 et. seq.).
- Accreditation means the formal recognition by the department of a laboratory's competence wherein specific
  tests or types of tests can be accurately and successfully performed in compliance with all minimum
  requirements set forth in the regulations regarding laboratory accreditation.
- 3. <u>Administrator</u> means the Administrator of the U.S. Environmental Protection Agency, or an authorized representative.
- 4. <u>Applicable Standards and Limitations</u> means all state, interstate and federal standards and limitations to which a discharge is subject under the Clean Water Act, including, effluent limitations, water quality standards of performance, toxic effluent standards or prohibitions, best management practices, and pretreatment standards under Sections 301, 302, 303, 304, 306, 307, 308 and 403.
- 5. <u>Applicable water quality standards</u> means all water quality standards to which a discharge is subject under the Clean Water Act.
- 6. <u>Commercial Laboratory</u> means any laboratory, wherever located, that performs analyses or tests for third parties for a fee or other compensation and provides chemical analyses, analytical results, or other test data to the department. The term commercial laboratory does not include laboratories accredited by the Louisiana Department of Health and Hospitals in accordance with R.S.49:1001 et seq.
- 7. <u>Daily Discharge</u> means the discharge of a pollutant measured during a calendar day or any 24-hour period that reasonably represents the calendar day for purposes of sampling. For pollutants with limitations expressed in terms of mass, the daily discharge is calculated as the total mass of the pollutant discharged over the sampling day. For pollutants with limitations expressed in other units of measurement, the daily discharge is calculated as the average measurement of the pollutant over the sampling day. Daily discharge determination of concentration made using a composite sample shall be the concentration of the composite sample.
- 8. Daily Maximum discharge limitation means the highest allowable "daily discharge".
- 9. <u>Director</u> means the U.S. Environmental Protection Agency Regional Administrator, or the state administrative authority, or an authorized representative.

10. <u>Domestic septage</u> means either liquid or solid material removed from a septic tank, cesspool, portable toilet, Type III marine sanitation device, or similar treatment works that receives only domestic sewage. Domestic septage does not include liquid or solid material removed from a septic tank, cesspool, or similar treatment works that receives either commercial wastewater or industrial wastewater and does not include grease removed from grease trap at a restaurant.

- 11. <u>Domestic sewage</u> means waste and wastewater from humans, or household operations that is discharged to or otherwise enters a treatment works.
- 12. Environmental Protection Agency or (EPA) means the U.S. Environmental Protection Agency.
- 13. <u>Grab sample</u> means an individual sample collected over a period of time not exceeding 15 minutes, unless more time is needed to collect an adequate sample, and is representative of the discharge.
- 14. <u>Industrial user</u> means a nondomestic discharger, as identified in 40 CFR 403, introducing pollutants to a publicly owned treatment works.
- 15. LEQA means the Louisiana Environmental Quality Act.
- 16. Louisiana Pollutant Discharge Elimination System (LPDES) means those portions of the Louisiana Environmental Quality Act and the Louisiana Water Control Law and all regulations promulgated under their authority which are deemed equivalent to the National Pollutant Discharge Elimination System (NPDES) under the Clean Water Act in accordance with Section 402 of the Clean Water Act and all applicable federal regulations.
- 17. Monthly Average (also known as Daily Average), other than for fecal coliform bacteria, discharge limitations are calculated as the sum of all "daily discharge(s)" measured during a calendar month divided by the number of "daily discharge(s)" measured during that month. When the permit establishes monthly average concentration effluent limitations or conditions, and flow is measured as continuous record or with a totalizer, the monthly average concentration means the arithmetic average (weighted by flow) of all "daily discharge(s)" of concentration determined during the calendar month where C = daily discharge concentration, F = daily flow and n = number of daily samples; monthly average discharge =

$$\frac{C_1F_1 + C_2F_2 + ... + C_nF_n}{F_1 + F_2 + ... + F_n}$$

When the permit establishes monthly average concentration effluent limitations or conditions, and the flow is not measured as a continuous record, then the monthly average concentration means the arithmetic average of all "daily discharge(s)" of concentration determined during the calendar month.

The monthly average for fecal coliform bacteria is the geometric mean of the values for all effluent samples collected during a calendar month.

- 18. <u>National Pollutant Discharge Elimination System (NPDES)</u> means the national program for issuing, modifying, revoking and reissuing, terminating, monitoring and enforcing permits, and imposing and enforcing pretreatment requirements, under Sections 307, 318, 402, and 405 of the Clean Water Act.
- 19. Severe property damage means substantial physical damage to property, damage to the treatment facilities that causes them to become inoperable, or substantial and permanent loss of natural resources that can reasonably be expected to occur in the absence of a bypass. Severe property damage does not mean economic loss caused by delays in production.

**REVISED 8/6/06** 

Page 17 of 18

20. Sewage sludge means a solid, semi-solid, or liquid residue generated during the treatment of domestic sewage in a treatment works. Sewage sludge includes, but is not limited to, domestic septage; scum or solids removed in primary, secondary, or advanced wastewater treatment processes; portable toilet pumpings, type III marine sanitation device pumpings (33 CFR part 159); and a material derived from sewage sludge. Sewage sludge does not include ash generated during the firing of sewage sludge in a sewage sludge incinerator or grit and screenings generated during preliminary treatment of domestic sewage in a treatment works.

- 21. <u>Treatment works</u> means any devices and systems used in the storage, treatment, recycling and reclamation of municipal sewage and industrial wastes of a liquid nature to implement Section 201 of the Clean Water Act, or necessary to recycle or reuse water at the most economical cost over the estimated life of the works, including intercepting sewers, sewage collection systems, pumping, power and other equipment, and their appurtenances, extension, improvement, remodeling, additions, and alterations thereof. (See Part 212 of the Clean Water Act)
- 22. For fecal coliform bacteria, a sample consists of one effluent grab portion collected during a 24-hour period at peak loads.
- 23. The term MGD shall mean million gallons per day.
- 24. The term mg/L shall mean milligrams per liter or parts per million (ppm).
- 25. The term µg/L shall mean micrograms per liter or parts per billion (ppb).
- 26. The term ng/L shall mean nanograms per liter or parts per trillion (ppt).
- 27. Weekly average, (also known as 7-day average), other than for fecal coliform bacteria, is the highest allowable arithmetic mean of the daily discharges over a calendar week, calculated as the sum of all "daily discharge(s)" measured during a calendar week divided by the number of "daily discharge(s)" measured during that week. When the permit establishes weekly average concentration effluent limitations or conditions, and flow is measured as continuous record or with a totalizer, the weekly average concentration means the arithmetic average (weighted by flow) of all "daily discharge(s)" of concentration determined during the calendar week where C = daily discharge concentration, F = daily flow and n = number of daily samples; weekly average discharge =

$$\frac{C_1F_1 + C_2F_2 + ... + C_nF_n}{F_1 + F_2 + ... + F_n}$$

When the permit establishes weekly average concentration effluent limitations or conditions, and the flow is not measured as a continuous record, then the weekly average concentration means the arithmetic average of all "daily discharge(s)" of concentration determined during the calendar week.

The weekly average for fecal coliform bacteria is the geometric mean of the values for all effluent samples collected during a calendar week.

- 28. Sanitary Wastewater Term(s):
  - a. 3-hour composite sample consists of three effluent portions collected no closer together than one hour (with the first portion collected no earlier than 10:00 a.m.) over the 3-hour period and composited according to flow, or a sample continuously collected in proportion to flow over the 3-hour period.
  - b. 6-hour composite sample consists of six effluent portions collected no closer together than one hour (with the first portion collected no earlier than 10:00 a.m.) over the 6-hour period and composited according to flow, or a sample continuously collected in proportion to flow over the 6-hour period.

Page 18 of 18

## **REVISED 8/6/06**

- c.12-hour composite sample consists of 12 effluent portions collected no closer together than one hour over the 12-hour period and composited according to flow, or a sample continuously collected in proportion to flow over the 12-hour period. The daily sampling intervals shall include the highest flow periods.
- d. <u>24-hour composite sample</u> consists of a minimum of 12 effluent portions collected at equal time intervals over the 24-hour period and combined proportional to flow or a sample continuously collected in proportion to flow over the 24-hour period.

APPENDIX A COMMODITY LIST

NAME	CAS	Synonym/Notes
1,1,2-Tetrachloroethane	630-20-6	
,1,1-Trichloroethane	71-55-6	
,1,2,2-Tetrachloroethane	79-34-5	
,1,2-Trichloroethane	79-00-5	
,1-Dichloroethane	75-34-3	Ethylidene Dichloride
,1-Diethoxyethane	105-57-7	
,1-Dimethyl hydrazine	57-14-7	
,1-Dimethylcyclohexane	590-66-9	
,1-Dimethylcyclopentane	1638-26-2	
,2,3-Trichlorobenzene	87-61-6	
,2,3-Trichloropropane	96-18-4	
1,2,4-Trichlorobenzene	120-82-1	
,2,4-Trimethylbenzene	95-63-6	
1,2-Dibromo-3-Chloropropane	96-12-8	<del>                                     </del>
1,2-Dibromopropane	78-75-1	
I,2-Dichlorobenzene	95-50-1	
1,2-Dichloroethane		Ethylene Dichloride
· · · · · · · · · · · · · · · · · · ·	540-59-0	
1,2-Dichloroethylene (cis)	156-60-5	
1,2-Dichloroethylene (trans)	78-87-5	
1,2-Dichloropropane	135-01-3	
1,2-Diethylbenzene	110-71-4	
1,2-Dimethoxyethane	122-66-7	
1,2-Diphenylhydrazine	106-88-7	
1,2-Epoxybutane	591-95-7	
1,2-Pentadiene (cis)	75-55-8	
1,2-Propyleneimine	106-99-0	
1,3-Butadiene		1,3-Butanediol
1,3-Butylene Glycol	109-64-8	
1,3-Dibromopropane	541-73-1	
1,3-Dichlorobenzene	542-75-6	
1,3-Dichloropropene		
1,3-Diethylbenzene	141-93-5 504-60-9	
1,3-Pentadiene (trans)		
1,3-Pentadiene (cis)	1574-41-0	<del></del>
1,3-Propane Sultone	1120-71-4	414 4 Butanadial
1,4-Butylene Glycol	110-63-4	1,4-Butanediol
1,4-Dichlorobenzene	106-46-	<del></del>
1,4-Diethylbenzene	105-05-	
1,4-Dioxane	123-91-	
1,4-Pentadiene	591-93-	
1,5-Hexadiene	592-42-	<del></del>
1,5-Pentanediol	111-29-	
1-Chlorobutane	109-63-	<del></del>
1-Methyl-2-isopropylbenzene	527-84-	
1-Methylnaphthalene	90-12-	
1-Pentyne	627-19-	<del></del>
1-Propanethiol	107-03-	
2,2,3-Trimethylbutane	464-06-	<del></del>
2,2,3-Trimethylpentane	564-02-	<del></del>
2,2,4-Trimethylpentane		1 Isooctane
2,2-Dimethylbutane		2 Neohexane
2,2-Dimethylhexane	590-73-	
2,2-Dimethylpentane	590-35-	
2,3,3-Trimethylpentane	560-21-	4

	ppendix A	Summer (Notes
NAME	CAS	Synonym/Notes
2,3-Dimethylbutane	79-29-8	
2,3-Dimethylpentane	565-59-3	
2,3-Pentadiene	591-96-8	
2,4,5-Trichlorophenol	95-95-4	
2,4,6-Trichlorophenol	88-06-2	
2,4-Dichlorophenol	120-83-2	
2,4-Dichlorophenoxyacetic Acid	94-75-7	
2,4-Dimethylpentane	108-08-7	
2,4-Dimethylphenol	105-67-9	
2,4-Dinitrophenol	51-28-5	
2,4-Dinitrotoluene	121-14-2	
2,4-Toluene Diamine	95-80-7	
2,6-Dinitrotoluene	606-20-2	
2-Acetylaminofluorene	53-96-3	
2-Butoxyethanol		Butyl Cellosolve
2-Chloroacetophenone	532-27-4	
2-Chlorobutane	78-86-4	
2-Chloroethylvinylether	110-75-8	
2-Chloronapthalene	91-58-7	
2-Chlorophenol	95-57-8	
2-diol-1,3-Ethylhexane	12862-16-2	
2-Ethoxyethanol		Cellosolve
2-Ethoxyethyl Acetate		Cellosolve Acetate
2-Ethyl Butanol		sec-hexyl alcohol
2-Ethyl Hexanol	104-76-7	
2-Ethylhexyl Acrylate	103-11-7	
2-Heptene	592-77-8	
2-Hexanone	591-78-6	
2-Methoxyethanol		Methyl Cellosolve
2-Methyl-1-butene	563-46-2	
2-Methyl-2-Heptene	627-97-4	
2-Methylheptane	592-27-8	
2-Methylnaphthalene	91-57-6	
2-Nitrochlorobenzene (ONCB)		Chloronitrobenzene
2-NITROPHENOL	88-75-5	
2-Nitropropane	79-46-9	
2-Picoline	108-99-6	, <u>, , , , , , , , , , , , , , , , , , </u>
2-Propanethiol	75-33-2	
3,3'-Dichlorobenzidine	91-94-1	
3,3'-Dimethoxybenzidene	119-90-4	
3,3'-Dimethylbenzidine	119-93-7	
3,3-Dimethylpentane	562-49-2	
3,4-Benzofluoranthene	205-99-2	<u> </u>
3,4-Dichlorotoluene	95-75-0	
3-Ethylpentane	617-78-7	
3-Heptene (cis & trans)	592-78-9	
3-Methyl Heptane	589-81-1	
3-Methyl Pentane	96-14-0	
3-Methyl-1-Butanol	123-51-3	
3-Methylhexane	589-34-4	
4,4'-Methylene Bis (2-Chloroaniline)	101-14-4	
4,4'-Methylene Dianiline	101-77-9	
4,6-Dinitro-o-Cresol and Salts	534-52-1	
4-Aminodiphenyl	92-67-1	

NAME	CAS	Synonym/Notes
	101-55-3	o y non y name to o
-Bromophenyl Phenyl Ether -Chlorophenyl Phenyl Ether	7005-72-3	
-Chiorophenyi Phenyi Ethei -Methyl Heptane	589-53-7	
Methyl Heptane I-Nitrobiphenyl	92-93-3	
-Nitrophenol	100-02-7	
Acenaphthene	83-32-9	
Acenaphthylene	208-96-8	
Acetaldehyde	75-07-0	
Acetanide	60-35-5	
Acetic acid	64-19-7	
Acetic anhydride	108-24-7	
Acetochlor	34256-82-1	
Acetone		Dimethyl ketone
Acetonitrile		Methyl Cyanide
Acetophenone	98-86-2	
Acrolein	107-02-8	
Acrylamide	79-06-1	
Acrylates		
Acrylic acid	79-10-7	
Acrylonitrile		Vinyl cyanide
Adiponitrile	111-69-3	
Alcohols		
Aldehydes		
Alfol 10's thru 14's		Shell Name for Alcohol
Alfol 16's thru 30's		Shell Name for Alcohol
Alfol 4 to 8's		Shell Name for Alcohol
Alfonic 10's thru 14's		Shell Name for Alcohol Ethoxylates
Aliphatic Alcohol		
Aliphatic Amines		-
Alkyl Benzene		
Alkyl Ketone		
Alkylates	<del></del>	
Alkylene Oxides		
Allyl alcohol	107-18-6	
Allyl chloride	107-05-1	
alpha-BHC	319-84-6	
alpha-Endosulfan	959-98-8	
Ammonia	7664-41-7	
Ammonium Sulfide		
Aniline	62-53-3	3
Anthracene	120-12-7	
Apple Juice		,
Aromatic Amines		
Aromatic Chlorohydrocarbons		
Aromatics		
Asphalt	8052-42-4	4
Beer	3,42	
Benzene	71-43-	2
Benzo (a) Anthracene	56-55-3	
Benzo (a) Pyrene	50-32-8	
Benzo (ghi) Perylene	191-24-2	<del></del>
Benzo (k) Fluoranthene	207-08-9	
Benzotrichloride	98-07-	<del></del>
Benzyl Chloride	100-44-	

1 a 1

NAME	CAS	Synonym/Notes
beta-BHC	319-85-7	Cynonymarrocco
beta-Endosulfan	33213-65-9	
	57-57-8	
beta-Propriolactone	92-52-4	
Biphenyl Nathana Mathana	111-91-1	· · ·
Bis (2-Chloroethoxy) Methane	<del></del>	
Bis (2-Chloroethyl) Ether	111-44-4	
Bis (2-Chloroisopropyl) Ether	108-60-1	5:0 (15)
Bis (2-Ethylhexyl) Phthalate		Di Octyl Phthalate
Bis (2-Methoxy Ethyl) Ether	111-96-6	
Bis (Chloromethyl) Ether	542-88-1	
Bromoform	75-25-2	
Butanediol (all isomers)		
tert-Butyl aicohol	75-65-0	
Butyl Benzyl Phthalate	85-68-7	
n- Butylraldehyde	123-72-8	
Butyronitrile	109-74-0	
C10-C12+ Linear Olefins		
C6-C8 Linear Olefins		
Calcium Bromide	7789-41-5	
Calcium Hypochlorite		·
Calcium Cyanamide	156-62-7	
	133-06-2	
Captan	133-00-2	- " "
Caradol	00.05.0	
Carbaryl	63-25-2	
Carbon disulfide	75-15-0	
Carbon tetrachloride	56-23-5	
Carboxylic Acids		
Carbonyl Sulfide	463-58-1	
Castor Oil	8001-79-4	
Catechol	120-80-9	
Caustic Potash		Potassium hydroxide
Caustic Soda		Sodium hydroxide
Chloramben	133-90-4	
Chlorine	7782-50-5	
Chlorine Dioxide	10049-04-4	
Chloroacetic Acid	79-11-8	
Chlorobenzene	108-90-7	
Chlorobenzilate	510-15-6	
Chlorodibromomethane	124-48-1	
Chloroethane		Ethyl chloride
Chloroform	67-66-3	1
Chloromethyl Methyl Ether	107-30-2	
	126-99-8	
Chloroprene	120-99-0	
Chlorowax	249.04.0	
Chrysene	218-01-9	
Citrusterpene		
Coconut Oil	8001-31-8	
Corn Oil	8001-30-7	<u> </u>
Cottonseed Oil	8001-29-4	<del>• • • • • • • • • • • • • • • • • </del>
Creosote	8001-58-9	
Cresol (-m)	108-39-4	
Cresol (-o)	95-48-7	
Cresol (-p)	106-44-5	
Cresylic Acid (Methylphenol, 2, 3, & 4)	1319-77-3	

1 0 1

NAME	CAS	Synonym/Notes
Croton Oil	8001-28-3	
Crude Oil		
Crude Oil Condensates		
Cumene	98-82-8	Isopropyl benzene
Cyanide compounds	57-12-5	
Cyclohexane	110-82-7	
Cyclohexanol	108-93-0	
Cyclohexanone	108-94-1	
Cyclohexene	110-83-8	
Cyclohexylamine	108-91-8	
Cyclopentane	287-92-3	
Cyclopentanol	96-41-3	
Cyclopentanone	120-92-3	
Cyclopentene	142-29-0	
Decane		n-Decane
Decene		1-Decene
Decyl Alcohol		1-Decanol
delta-BHC	319-86-8	
Di Isononyl Phthalate	28553-12-0	
Di Octyl Phthalate		Di-n-Octyl Phthalate
Diacetone Alchohol	123-42-2	
Diaminotoluene	25376-45-8	
Diazomethane	334-88-3	
Dibenzo (a,h) Anthracene	53-70-3	
Di-n-Butyl Phthalate	84-74-2	
Di(2-ethylhexyl) Phthalate		
Dichlorobenzene (all isomers)		
Dichlorobromomethane	75-27-4	
Dichlorvos	62-73-7	
Dicyclopentadiene		Cyclopentadiene
Diesel	77650-28-3	DF2
Diethanolamine	111-42-2	
Diethoxymethane	462-95-3	<del></del>
Diethyl (n,n) aniline	91-66-7	E
Diethyl ketone	96-22-0	
Diethyl Phthalate	84-66-2	
Diethyl Sulfate	64-67-5	
Diethyl sulfide	352-93-2	
Diethylamine	109-89-7	A
Diethylene Glycol	111-46-6	<u> </u>
Diethylene Glycol Methyl Ether	111-77-3	<del></del>
Diethylene Glycol Monobutyl Ether	112-34-5	
Diethylenetriamine	111-40-0	1
Diisobutyl Ketone	108-83-8	
Diisobutylene		Diisobutene
Diisodecyl Phthalate	26761-40-0	
Di-isopropyl ether		Isopropyl Ether
Diisopropylene Glycol	110-98-5	
Dimethyl Aminoazobenzene	60-11-7	
Dimethyl formamide	68-12-2	d
Dimethyl phthalate	131-11-3	
Dimethyl Sulfate	77-78-1	
Dimethylamine	124-40-3	
Dipentene	138-86-3	

NAME	CAS	Synonym/Notes
Dipropyl ether	111-43-3	
Dipropyl Ketone	123-19-3	
Dipropylene Glycol	25265-71-8	
Distillate fuel oil no. 2		
Distillate fuel oil no. 6		
Distillates, Hydrotreated Heavy Paraffinic		
Distillates, Hydrotreated Light Paraffinic		***
Distillates, Solvent-Dewaxed Light Paraffinic		
Di-t-butyl ether	6163-66-2	
Dodecene	25378-22-7	C-12
Dodecyl Alcohol	112-53-8	Dodecanol
Endosulfan Sulfate	1031-07-8	
Endrin Aldehyde	7421-93-4	
Epichlorohydrin	106-89-8	
Epoxy Resins		
Esters		
Ethers		
Ethyl acetate	141-78-6	
Ethyl acrylate	140-88-5	
Ethyl alcohol	64-17-5	Ethanol
Ethyl Butyl Ketone	106-35-4	
Ethyl Butyrate	105-54-4	
Ethyl Carbamate	51-79-6	Urethane
Ethyl Carbonate	105-58-8	Diethyl Carbonate
Ethyl Cyclohexane	1678-91-7	
Ethyl cyclopentane	1640-89-7	
Ethyl Ether	60-29-7	Diethyl ether
Ethyl Formate	109-94-4	
Ethyl Methacrylate	97-63-2	
Ethyl Morpholine	100-74-3	
Ethyl Propionate	105-37-3	
Ethylbenzene	100-41-4	
Ethylene Dibromide	106-93-4	1,2-Dibromethane
Ethylene Glycol	107-21-1	
Ethylene Glycol Monohexyl Ether	112-25-4	Hexyl Cellosolve
Ethylene Imine	151-56-4	
Ethylene Oxide	75-21-8	
Ethylene Thiourea	96-45-7	,
Ethyleneamines		
Ethylenediamine	107-15-3	
Ethylidene Norbordene	16219-75-3	ENB
Fatty Acid		
Fatty Alcohol		
Fatty Tertiary Amine		
Ferrous Chloride		
Fish Oil	8016-13-5	
Fluoranthene	206-44-0	
Fluorene	86-73-7	
Fluorobenzene	462-06-6	<u> </u>
Formaldehyde	50-00-0	
Formic acid	64-18-6	
Freon 11	75-69-4	·
Fuel Oil #4 - #6		
Fuel Oil-Cutter Stock		J

NAME	CAS	Synonym/Notes
Furan	110-00-9	
Furfural	96-01-1	
Furfuryl Alcohol	98-00-0	
Gasoline		
Glutaraldelyde	111-30-8	
Glycerine	56-81-5	1,2,3-Propanetriol
Glycol Ethers		
Glycols		
Ground Nut Oil	8002-03-7	Glycerol Triacetate
Halogenated Phenols		
Heavy Aromatic Distillates		HAD
Heptachlor Epoxide	1024-57-3	
Heptane	142-82-5	n-Heptane
Heptene	592-76-7	n-Heptene, 1-Heptene
Herbicides		
Hexachloro-1,3-Butadiene	87-68-3	
Hexachlorobutadiene		
Hexachlorobenzene	118-74-1	
Hexachlorocyclopentadiene	77-47-4	
Hexachloroethane	67-72-1	
Hexamethyl Phosphoramide	680-31-9	
Hexamethylene-1,6-Diisocyante_	822-06-0	
Hexamethylenediamine		Lutenzit
Hexamethyleneimene	111-49-9	
Hexane		n-Hexane
Hexanol		1-Hexanol
Hexene		1-Hexene
Hexyl Acetate	142-92-7	
Hexylene Glycol	107-41-5	
Hydrazine	302-01-2	
Hydrocarbon Amines, Saturated & Unsaturated	002 01 2	
Hydrochloric Acid	7647-01-0	
Hydrogen Cyanide	74-90-8	
	7664-39-3	<u> </u>
Hydrogen Fluoride	7004000	
Hydrogen Peroxide	7783-06-4	
Hydrogen Sulfide	8029-43-4	High Fructose Corn Syrup/Corn Syrup
Hydrolyzed Starch Syrups	123-31-9	· · · · · · · · · · · · · · · · · · ·
Hydroquinone Mixtures	123-31-3	
Hydrocarbon Mixtures	<del></del>	
Hyspray (1.8.3 and ) Duranta	193-39-5	
Indeno (1,2,3-cd) Pyrene	193-39-3	<u> </u>
Inorganic Salt Solutions	<del>-}</del>	
Inorganic Peroxides	123 02 2	Isopentyl acetate
Isoamyl Acetate	123-92-2	Isopentyl acetate
Isoamylenes	110-19-0	
Isobutyl Acetate		12-Methyl-1-Propanol
Isobutyl Alcohol	4439-24-1	
Isobutyi Cellosolve		2 2,6,8-Triemthyl-4-Nonane
Isobutyl Heptyl Ketone	97-85-8	
Tiechutyl Icohutyrate	97-60-0	<u> </u>
Isobutyl Isobutyrate	1	
Isocyanates	2520 47	7 Isodecanol
		7 Isodecanol 5 2-Methylpentane

NAME	CAS	Synonym/Notes
Isononyl Alcohol	2430-22-0	
Isooctyl Alcohol	26952-21-6	
Isopentane	78-78-4	
Isophorone	78-59-1	Isoacetophenone
Isoprene	78-79-5	
Isopropyl Acetate	108-21-4	
Isopropyl Alcohol	67-63-0	
Isopropyl Ether		
Isopropylamine	75-31-0	MIPA
Isopropylamine Salt of Glyphosate	38641-94-0	
Jet kerosene		
Jet naphtha (JP-4)		
Ketones		
Lactic Acid	50-21-5	
Lanolin	8006-54-0	
Lard Oil	8016-28-2	
Latex		Latex Emulsions
Lemon Oil		Limonene
Linseed Oil	8001-26-1	
Lube Oil & Lube Oil Additives (Paramins)	1 0001 20 1	
Lutensit		
Maleic Anhydride	108-31-6	
MDI (Diphenylmethane Diisocyanate,4,4-)	101-68-8	<del></del>
Methacrylonitrile	126-98-7	1
Metham Sodium	137-42-8	
Methyl acetate	79-20-9	
	96-33-3	
Methyl acrylate  Methyl alcohol	67-56-1	
Methyl Amyl Alcohol		4-methyl-2-pentanol
Methyl Amyl Ketone		2-heptanone
Methyl Bromide	74-83-9	
Methyl Cellosolve Acetate	110-49-6	
Methyl Chloride		Chloromethane
Methyl Cyclohexane	108-87-2	
	96-37-7	
Methyl dieblesseilene	75-54-7	
Methyl dichlorosilane	78-93-3	
Methyl ethyl ketone	107-31-3	
Methyl Hentone	50985-84-7	
Methyl Heyane		2-Methylhexane
Methyl Hexane	60-34-4	
Methyl Hydrazine	74-88-4	· · · · · · · · · · · · · · · · · · ·
Methyl lodide		5-methyl-2-hexanone
Methyl Isoamyl Ketone		
Methyl isobutyl ketone	108-10-1	· · · · · · · · · · · · · · · · · · ·
Methyl Isocyanate	624-83-9	
Methyl Methacrylate	80-62-6	
Methyl Propionate	554-12-1	
Methyl Propyl ether	557-17-5	
Methyl Propyl Ketone		2-Pentanone
Methyl styrene (alpha)	98-83-9	
Methylene chloride		Dichloromethane
Methylnaphthalene (MEDE)	1321-94-4	
Methyl-tert-butyl ether (MTBE)	1634-04-4	
Methyoxychlor	72-43-	<u> </u>

NAME	CAS	Synonym/Notes
Metolachlor	51218-45-2	
Mineral Oil	8012-95-1	
Mineral Spirits	64475-85-0	
Molasses	68476-78-8	
Molybdenum		
Monobutyl Ether		
Monoethanolamine	141-43-5	
Monoethylamine	75-04-7	
Monoisopropylamine		
Morpholine	110-91-8	
n,n-Dimethyl Aniline	121-69-7	<u> </u>
n,n-Dimethyl Carbamoyl Chloride	79-44-7	
n-Amyl Acetate	628-63-7	
n-Amyl Alcohol		1-Pentanol
		Solvent Naphtha
Naphtha		
Naphthalene	91-20-3	
Napthenic acid	1338-24-5	
n-Butyl Acetate	123-86-4	
n-Butyl Acrylate	141-32-2	
n-Butyl Alcohol	71-36-3	I.a
n-Butyl chloride	109-69-3	L
n-Butyl Formate	592-84-7	<del></del>
Neodene 1014		Shell Name
Neodol		Shell Name
Neoflex 6-11		
Neohexane	75-83-2	
Niax		Crompton Name
Niax Polyols		Crompton Name
Nitric Acid	7697-37-2	
Nitriles		· "
Nitrobenzene	98-95-3	
Nitrocompounds		
Nitromethane	75-52-5	
n-Nitrosodimethylamine	62-75-9	
n-Nitrosodi-n-Propylamine	621-64-7	
n-Nitro-sodiphenylamine	86-30-6	
n-Nitrosomorpholine	59-89-2	<del></del>
n-Nitroso-n-Methylurea	684-93-5	
n-Nonane	111-84-2	
n-Octane	111-65-9	
Nonene		
In-Pentane	109-66-0	<del></del>
n-Propyl nitrate	627-13-4	
n-Propylamine	107-10-8	1
o-Anisidine	90-04-0	I
o-Chlorotoluene	95-49-8	<u> </u>
Octanol		1-Octanol
Octene (all isomers)	25377-83-7	<u>1 — .                                    </u>
Olefins	20311-03-1	) - October
Orange Juice		<del></del>
	8008-57-9	<del>  -</del>
Orange Oil	0000-57-9	<del> </del>
Organic Acids	00744	
Orthonitroanlline	88-74-4	
Orthonitrophenol	88-75-5	<u></u>

NAME	CAS	Synonym/Notes
o-Toluidine	95-53-4	
Palm Kernel Oils	8023-79-8	
Palm Oils	8002-75-3	
Paraffins		
Paramins		
Parathion	56-38-2	
p-Chloro-m-Cresol		4-chloro-3-Methylphenol
Peanut Oils	8002-03-7	
Pentachloroethane	76-01-7	
Pentachloronitrobenzene	82-68-8	
Pentachlorophenol	87-86-5	
Pentene	109-67-1	1-Pentene
Pesticides		
Petroleum Distillates		
Petroleum Hydrocarbons		
Phenanthrene	85-01-8	
Phenol	108-95-2	
Phosgene	75-44-5	
Phosphine	7803-51-2	
Phosphoric Acid	7664-38-2	
Phosphorus	7723-14-0	
Phthalates		
Phthalic Anhydride	85-44-9	
Polybutadiene	9003-17-2	
Polybutene	9003-28-5	
Polynuclear Aromatic Hydrocarbons		
Polyols		-
Polypropylene Glycol	25322-69-4	
Polysiloxane	9011-19-2	DMH
Potassium Formate	590-29-4	
Potassium Salt of Glyphosate	70901-12-1	
p-Phenylenediamine	106-50-3	
Propiophenone	93-55-0	
Propoxur	114-26-1	
Proprionaldehyde	123-38-6	
Propyl Acetate	109-60-4	
Propyl Alcohol	71-23-8	1-Propanol
Propyl Ether	<u></u> -	
Propyl Formate	110-74-7	
Propyl Propionate	106-36-5	
Propylene glycol	57-55-6	
Propylene Glycol Monomethyl Ether Acetate	108-65-6	
Propylene oxide	75-56-9	
Pyrene	129-00-0	
Pyridine	110-86-1	
Pyrolysis Gasoline		
Quinoline	91-22-5	
Quinone	106-51-4	
Raffinate	68514-29-4	·
Rapeseed Oil	8002-13-9	
Refinery Petroleum Products (<10% Benzene	1	Naphtha Light Hydrocarbon
Content)		
Resorcinol	108-46-3	<u> </u>
Safflower Oil	8001-23-8	

NAME	CAS	Synonym/Notes
Saturated and Unsaturated Hydrocarbon Amines		
sec-Amyl Acetate	626-38-0	
sec-Amyl Alcohol	6032-29-7	2-Pentanol
sec-Butyl Acetate	105-46-4	
sec-Butyl Acetate	105-46-4	,
sec-Butyl Alcohol	78-92-2	2-Butanol
Sodium Bisulfite	7631-90-5	
Sodium Hydrosulfide	16721-80-5	
Sodium Napthenate	61790-13-4	
Sodium Sulfide	1313-82-2	
Soybean Oil	8001-22-7	
Styrene	100-42-5	
Styrene Oxide	96-09-3	
Sulfuric Acid	7664-93-9	
Sunflower Oil	8001-21-6	
Surfactants	100.2.0	
Tall Oil	8002-26-4	
Tallow	0002-20-4	
Tergitol	<del> </del>	
Terpene Hydrocarbons	<del></del>	
tert-Amyl Acetate	625-16-1	
tert-Amyl Alcohol		2-methyl-2-butanol
Tetrachlorobenzene	75-05-4	z-methyr-z-butanoi
Tetrachloroethylene	127-18-4	Perchloroethylene
Tetraethylene Glycol	112-60-7	r erchioroed tylene
Tetrahydrofuran	109-99-9	
Toluene	108-88-3	
Toluene 2,4-Diisocyanate	584-84-9	
Toluene 2,6-Diisocyanate	91-08-7	
Trichloro(1,1,2)trifluoroethane	76-13-1	
Trichloroethylene	79-01-6	
Tridecyl Alcohol		1-Tridecanol
Triethanolamine	102-71-6	
Triethylamine	121-44-8	
Triethylanine Triethylene Glycol	112-27-6	
Triethylenetetramine	112-24-3	
Trifluralin	1582-09-8	
Trimethylchorosilane	75-77-4	
Tripropylene Glycol	24800-44-0	
Tripropylene Glycol Monomethyl Ether	25498-49-1	<del></del>
Turpentine	8006-64-2	· · · · · · · · · · · · · · · · · · ·
Urea-Ammonium Nitrate	15978-77-5	<u> </u>
Vegetable Oil	8001-79-4	
Vinyl acetate	108-05-4	
Vinyl Bromide	593-60-2	
Vinyl Chloride	75-01-4	
Vinylidene chloride		1,1-Dichloroethylene
Wax-Paraffin	8002-74-2	
Wine	0002-74-2	
	1330-20-7	
Xylene (-meta)	95-47-6	
Xylene (-ortho) Xylene (-para)	106-42-3	<del></del>
Ayrone (-para)	100-42-3	